

EPC COMMISSION MINUTES & AGENDA

MONTH January

YEAR 1993

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MINUTES
OF THE
ENVIRONMENTAL PROTECTION COMMISSION
MEETING

JANUARY 19, 1993

WALLACE STATE OFFICE BUILDING
DES MOINES, IOWA

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MEETING MINUTES

CALL TO ORDER

The meeting of the Environmental Protection Commission was called to order by Chairperson Hartsuck at 10:00 a.m. on Tuesday, January 19, 1993, in the Wallace State Office Building, Des Moines, Iowa.

COMMISSIONERS PRESENT

Verlon Britt
William Ehm
Richard Hartsuck, Chairperson
Rozanne King
Charlotte Mohr
Gary Priebe
Nancylee Siebenmann
Clark Yeager

COMMISSIONERS ABSENT

Margaret Prah

Director Wilson stated that he received a letter from Margaret Prah notifying that she had a court date that could not be continued and she will not be at the meeting today or the legislative breakfast tomorrow.

ADOPTION OF AGENDA

Motion was made by Rozanne King to approve the agenda as presented. Seconded by Charlotte Mohr. Motion carried unanimously.

APPROVED AS PRESENTED

APPROVAL OF MINUTES

Motion was made by William Ehm to approve the meeting minutes of December 21, 1992, as presented. Seconded by Rozanne King. Motion carried unanimously.

APPROVED AS PRESENTED

DIRECTOR'S REPORT

Larry Wilson, Director, distributed copies of a report on a meeting between staff and Kristi Hirschmann, Organic Technologies Corporation, following last month's meeting.

Mr. Wilson stated that he sent each Commissioner a report, prepared by the Legal Services Bureau, on the Dominic Giametta site in the Scott County area. He noted that it should be treated as confidential information.

Mr. Wilson reported that meetings with the House and the Senate are underway and he attended a meeting with the Senate Natural Resource Committee last week. He added that he will meet with the House Natural Resource Committee tomorrow.

LANDFILL ALTERNATIVES GRANT APPLICATIONS

Teresa Hay, Division Administrator, Waste Management Assistance Division, presented the following item.

Fifty-three (53) grant applications were received by the first Monday in December 1992, for consideration in the latest round of the Landfill Alternatives Grant Program. Applicants have requested nearly \$7.5 million in grant fund assistance. Approximately \$1.5 million are available for allocation.

A summary of the proposals is attached for the Commission's information. Grant application review will be completed by the beginning of February, 1993, and awards will be announced by the end of February. The first grant Contracts will come to the Commission for approval in March or April.

LANDFILL ALTERNATIVES GRANT PROGRAM

Applications Received December 1992

APPLICATION #1: P.H.R. Waste Management

REQUEST: \$ 265,590

APPLICANT: Private for profit, John Pearson, Owner

DESCRIPTION: This project, based out of Shenandoah, Page County, proposes to introduce a new method of packaging as a means of decreasing the waste stream and reduce the threat of groundwater contamination. The new packaging would consist of a bottom draining bag rather than a rigid top draining container. The project would initially affect Iowa then the applicant proposes expanding nationally.

APPLICATION #2: Hawkeye Woodshavings, Inc.

REQUEST: \$ 225,000

APPLICANT: Private for profit, Frank Sloan, President

DESCRIPTION: This Des Moines (Polk County) business proposes to grind non-reusable wood pallets into marketable mulch, animal bedding, as "raw" material for wood products, and as an alternative fuel source. The project area includes Iowa and surrounding states.

APPLICATION #3: Seneca Area on Aging, Inc.

REQUEST: Proposal 1: \$30,729 Proposal 2: \$50,320

APPLICANT: Private not-for-profit, Pam O'Leary, Area Site Manager/
Coordinator

DESCRIPTION: The project would involve waste reduction via replacing styrofoam meal trays with reusable trays for a home bound meal delivery system in a 10 county area (Appanoose, Davis, Jefferson, Keokuk, Lucas, Mahaska, Monroe, Van Buren, Wapello, and Wayne Counties). The application identifies a desire to keep hot and cold foods separate and offers two (2) proposals. Proposal 1 would utilize meal trays for hot foods only. Cold foods would be served in styrofoam containers. Proposal 2 would utilize two (2) meal trays, one for hot foods and one for cold foods (fruit and/or dessert and bread).

APPLICATION #4: Laser Quality

REQUEST: \$4,000

APPLICANT: Private for profit, Thomas Duffy, Owner

DESCRIPTION: The Waukon, Allamakee County, applicant proposes to reduce the number of toner cartridges disposed of by landfilling, through remanufacturing/reconditioning them. The applicant identifies all of North America as the geographic area affected by the project. Grant funds are requested for the purchase of equipment and advertising.

APPLICATION #5: Resource Recovery Corporation

REQUEST: \$300,000

APPLICANT: Private for profit, Noel Eichten, President

DESCRIPTION: The project is located in Guttenberg, Dubuque County, and proposes to collect 800,000 waste tires from the eastern quarter of the state in an effort to reclaim over 1,000

tons of steel and 10,000 tons of rubber annually. Rubber will be processed to customer specifications, initially TDF and coarse shredded tire rubber will be pursued. As the project continues additional equipment is proposed (not related to the grant application) to further process the rubber. At this point the company plans to move away from TDF and into more specialized granulated rubber markets. Grant funds are requested for equipment

APPLICATION #6: Youth and Family Enrichment Center

REQUEST: \$20,880

APPLICANT: Private not-for-profit, Teresa Swalla, Program Assistant

DESCRIPTION: The facility, located in Stuart (Adair & Guthrie Counties), serves children ages 10-15 as a before and after school center. The children assist with recyclable materials sorting. The project proposes to expand the current recyclable drop-off collection and sorting operation by increasing the amount of materials collected through increased hours of operation. Grant funds are requested for salaries (coordinator and truck driver) and educational programs. The Center currently sorts and delivers newspaper, white paper, clear and colored glass, and milk jugs to the collection point at the Adair County Sanitary Landfill.

APPLICATION #7: Back To Earth Recycling

REQUEST: \$43,634.50

APPLICANT: Private for profit, Lynn Detwiler, Owner

DESCRIPTION: The Johnson County, North Liberty, used oil filter recycling business proposes to expand current operations through the purchase of equipment and building modifications. The business currently serves each quadrant of the state and proposes to increase their number of clients. Current clients include auto dealers, service stations, county and city maintenance shops, schools, etc. Grant funds are requested for equipment, site collection barrels and central oil storage tank and vat, vehicles and building modification.

APPLICATION #8: Simonsen Industries, Inc.

REQUEST: \$107,804

APPLICANT: Private for profit, Jeffery Simonsen, Production Supervisor

DESCRIPTION: The Quimby rendering plant (Cherokee County) proposes to purchase and install, with grant assistance, a wood-burning boiler and associated equipment to generate steam that will be used in the firm's operations. Utilization of wood waste will decrease the company's

use of propane by 900 gallons per week. Wood waste will be trucked in from sawmills in Redfield and South Sioux City, NE. A contract has been agreed upon between the applicant and the wood waste hauler. Grant funds are requested for the purchase of the boiler.

APPLICATION #9: Pattison's Paper Bedding

REQUEST: \$32,781.60

APPLICANT: Private for profit, Brian Pattison, Owner

DESCRIPTION: The Bremer County (City of Sumner) business currently is producing livestock bedding by chopping and baling newspaper. The business proposes to upgrade existing chopping equipment as a means of increasing productivity. Newspaper supply is coming mainly from Independence, Cedar Falls and Waterloo. Bales of bedding are marketed to livestock farmers throughout northeast Iowa.

APPLICATION #10: D.J.K. Enterprises, Inc.

REQUEST: \$28,095

APPLICANT: Private for profit, Douglas Kruger, President

DESCRIPTION: The Cedar Falls (Blackhawk County) company is proposing that grant funds be used to subsidize the cost for a limited distribution of the Yard BallTM. Cedar Falls, Cedar Rapids, Clinton, Council Bluffs, Evansdale, Indianola, Waverly, and Waterloo are identified as the volunteer pilot project communities. The Yard BallTM is a backyard composting ball for organic wastes. The applicant is requesting that grant funds be used as a \$15 subsidy, payable to the applicant, for the purchase of each Yard BallTM. The Yard BallTM will be offered to the public for \$69 during the project. Manufacturers suggested retail price is \$159.

APPLICATION #11: Fayette County Solid Waste Commission

REQUEST: \$193,437

APPLICANT: Local Government, Wayne Pape, Chair, Solid Waste Commission

DESCRIPTION: The applicant, a previous grantee, is seeking assistance to implement Phase II of an education and recycling project. The proposed project is to expand waste reduction education programs into Chickasaw, Clayton, Allamakee and Buchanan Counties and to expand the current recycling facility located in Fayette County to allow operation as a regional collection, processing and marketing facility. The project will allow for greater numbers of northeast Iowans

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to recycle a greater variety of materials. Grant funds will be used for the purchase of equipment, building construction and labor.

APPLICATION #12: Calmar Manufacturing Company, Inc.

REQUEST: \$83,585

APPLICANT: Private for profit, Bruce Anderson, President

DESCRIPTION: The company is requesting grant funds for equipment (grinder, stoker, and condensing unit) to burn waste wood from the company's manufacturing process in the existing boiler for facility heating. Currently wood waste is being landfilled. The company is located in Calmar, Winneshek County.

APPLICATION #13: Jackson County Sanitary Disposal Agency

REQUEST: \$117,739

APPLICANT: Local Government, Mark Beck, Director

DESCRIPTION: This Jackson County project is offered to implement improved rural recyclable materials collection, sorting and processing (for transportation) at a proposed transfer station. Recyclables will be transported to DAC, Inc. (previous grantee) in the City of Maquoketa to be included in DAC's recycling operations. Materials to be sorted and processed by the applicant include: paper, cardboard, plastic (#1 and #2), tin and glass. Grant funds will be utilized for equipment, labor, and building construction.

APPLICATION #14: Kossuth County Board of Supervisors

REQUEST: \$188,847

APPLICANT: Local Government, Richard Schiek, County Engineer

DESCRIPTION: The project involves expanding the current recycling program (curbside and drop-off) into a three-county regional project to include Palo Alto and Pocahontas Counties. Recyclables will be taken to Horizons Unlimited (previous grantee) in Emmetsburg for final sorting, final processing and marketing. Grant funds are requested for education and promotion, transfer station construction and equipment.

APPLICATION #15: Recycled Plastics Industries, Inc.

REQUEST: \$245,380

APPLICANT: Private for profit, Lee Anderson, President

DESCRIPTION: The applicant proposes to expand operations into Iowa, to be located in Cresco, Howard County. Grant funds are requested for the purchase of equipment and plant manager salary. The facility will serve as a market for appropriate plastics. The company will then manufacture and assemble various plastic products for sale to numerous identified firms.

APPLICATION #16: U.S. Gypsum Company

REQUEST: \$254,500

APPLICANT: Private for profit, R.S. Sleight, Plant Manager

DESCRIPTION: The Sperry (Des Moines County) company proposes to install equipment that will reclaim gypsum board waste. Currently all of this material is being landfilled at the company-owned facility. The project will process this material so that it can be re-incorporated into the manufacturing process. Grant funds are requested for the purchase of equipment.

APPLICATION #17: City Carton Company, Inc.

REQUEST: \$98,000

APPLICANT: Private for profit, John Ockenfels, President

DESCRIPTION: The Iowa City (Johnson County) company proposes to expand its existing recycling facility. Grant funds are requested for the purchase and installation of a commingled sorting system resulting in increased productivity. Materials processed include: magazines, phone books, paper, plastic, glass, and tin.

APPLICATION #18: Iowa State University

REQUEST: \$25,312

APPLICANT: State University, William Buttermore, Program Director

DESCRIPTION: The University (Story County) proposes to undertake a study of the production and combustion of low-density fuel beads made from paper. The combustion of this alternative fuel in power plants will be assessed with respect to environmental, economic and technological considerations. Grant funds are requested for labor and supplies.

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APPLICATION #19: The Paper Shed

REQUEST: \$77,316

APPLICANT: Private for profit, Kenneth Wright, Owner

DESCRIPTION: The Downey (Cedar County) business proposes to expand existing paper shredding operations through the purchase of equipment. Newspaper is collected from seven southeast Iowa counties. The business will continue to sell shredded newspaper as livestock bedding and proposes to market their product, initially on an experimental basis, to local nurseries and landscaping businesses as a mulch.

APPLICATION #20: Edward A. Brown

REQUEST: \$229,854.18

APPLICANT: Private for profit, Edward A. Brown, Owner

DESCRIPTION: The applicant proposes to collect and serve as a drop-off site for used antifreeze. The applicant proposes to distill the water and ethylene glycol off. After distillation, the ethylene glycol would be sold to recyclers or on the open market. The resulting salts and metals will be collected for pick up by a toxic waste disposal company. Grant funds are requested for equipment, building, advertising and supplies. The project is located in Clinton County (City of Clinton) and will serve Clinton and surrounding counties.

APPLICATION #21: Johnson County Recycling Center

REQUEST: \$62,071

APPLICANT: Private for profit, Dennis Rogers, Owner

DESCRIPTION: The Coralville (Johnson County) company proposes to expand the existing multi-materials recycling center (previous grant), currently operating at full capacity to allow for additional materials processing and marketing. Grant funds are requested for the purchase of additional equipment.

APPLICATION #22: Vradenburg Enterprises, Inc.

REQUEST: \$90,950

APPLICANT: Private for profit, Arthur Vradenburg, President

DESCRIPTION: The applicant, located in Keokuk, Lee County, is proposing to establish a collection route for post-industrial scrap plastic within a 200 mile radius of the facility. The applicant will process and market these waste industrial plastics. Grant funds are requested for building construction and equipment.

APPLICATION #23: South Central Iowa Landfill Agency

REQUEST: \$187,500

APPLICANT: Local Government, Marcia Beeler, Manager

DESCRIPTION: The Madison County pilot project proposes to evaluate the feasibility of utilizing waste glass in the leachate collection system as an underdrain material at the sanitary landfill as an alternative to the typical sand and gravel underdrain materials. Phase I would consist of a preliminary materials characterization of crushed waste glass; a mixture of sand and crushed glass; and sand. Based on these preliminary results, Phase II would consist of construction of three pilot test cells, each with one of the above materials. Phase III would implement the full scale implementation of the selected underdrain materials. Grant funds are requested for equipment, engineering, building construction, leachate analysis and disposal, and road maintenance.

APPLICATION #24: Cass County Landfill Commission

REQUEST: \$72,000

APPLICANT: Local Government, Duane Becker

DESCRIPTION: The drop-off recycling project will affect all of Cass County and eastern Pottawattamie County. Recycling drop-off boxes will be placed throughout the project area. The Agency will collect newspapers, cardboard, metals, clear glass, and #1 and #2 plastics. Recyclable materials will be transported to Nishna Recycling Center (previous grantee) in Montgomery County for processing and marketing. Grant funds are requested for the purchase of equipment, and recycling bins.

APPLICATION #25: Harrison County Landfill Association

REQUEST: \$50,130

APPLICANT: Local Government, Ronald Reiff, Chairperson

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DESCRIPTION: The Monona County project consists of a multi-material recycling program. Recyclables collection will utilize twelve (12) drop-boxes located throughout the county. Once collected, recyclables will be transported to Monona County Recycling and Transfer Station (previous grantee) for processing and marketing. Materials to be collected include plastic, clear glass, paper, and metals. Grant funds are requested for the purchase of the collection bins, transportation of materials and education.

APPLICATION #26: Beyond Recycling, Inc.

REQUEST: \$300,000

APPLICANT: Private for profit, Richard Ziebell, President

DESCRIPTION: The Leon (Decatur County) based project, proposes to address waste tire recycling through pyrolysis. By-products of this process; oil, petroleum, coke, and methane gas will be used in a subsidiary ethanol production facility. The other by-product of the operation, steel, will be marketed to scrap dealers. Grant funds are requested for construction of the tire recycling machine. Waste tires will be collected from the southern half of the state. Tire collection will be accomplished through a cooperative agreement with a subsidiary tire grinding operation and its established collection routes as well as drop-off collection at the recycling facility.

APPLICATION #27: Dallas County/City of Adel/City of Perry

REQUEST: \$146,689

APPLICANT: Local Government, Terry Brooks, Environmental Sanitarian

DESCRIPTION: The Dallas County project involves two phases to be implemented over a three year period. Phase I involves establishing a shared drop-off site in Adel for residents in Adel and the southern half of rural Dallas County, the implementation of curbside recycling in Perry, and establishment of a drop-off site in Perry for rural residents in the north half of Dallas County. Phase II consists of implementation of curbside recycling in the City of Adel. Materials to be collected include newspaper, HDPE plastic, tin, and clear glass. All materials collected will be transported to Genesis Development in Jefferson (previous grantee) for processing and marketing. Grant funds are requested for the purchase of a recycling vehicle, curbside bins, drop-off containers and education.

APPLICATION #28: Group One Ltd.

REQUEST: \$200,000

APPLICANT:

Private for profit, George Chamberlain, President

DESCRIPTION:

The Clinton (Clinton County) based company proposes to establish a facility for manufacturing molded fiber packaging products from recycled newspapers. The resulting product is a custom-shaped packaging material to fit various packaging applications. The company will serve as a market for newspapers from Clinton County's recycling center and other sources as the company expands. Grant funds are requested for the purchase of equipment, supplies, and salaries.

APPLICATION #29:

Plaz-Tech Corporation

REQUEST:

\$95,970.50

APPLICANT:

Private for profit, Lori Ver Meer,

DESCRIPTION:

This Osceola County (City of Melvin) company is proposing to install a plastic washing and separation system at their facility and serve as a plastics market for Iowa's recycling centers. After washing and drying, the clean plastic then will be marketed. Plaz-Tech also proposes to help initiate a plastic recycling program for eight (8) municipalities and four (4) unincorporated county areas in the region. Grant funds are requested for equipment.

APPLICATION #30:

Des Moines County Regional Solid Waste Commission

REQUEST:

\$300,000

APPLICANT:

Local Government, Larry Larson, Director of Solid Waste

DESCRIPTION:

The applicant proposes to construct a municipal solid waste co-composting facility to serve all of Des Moines County, six (6) communities in Henry County and one (1) community in Louisa County. Co-composted materials will be marketed as a soil additive, land applied and possibly used as daily cover for the landfill. Grant funds are requested for the purchase of equipment.

APPLICATION #31:

Howard County Board of Supervisors

REQUEST:

\$104,971

APPLICANT:

Local Government, Robert Voves, Chairperson

DESCRIPTION:

The project consists of expanding the current materials recovery facility, Spectrum Industries, located in Cresco, Howard County, initiate curbside recycling in the City of Cresco, initiate collection of used oil and lead acid batteries, purchase of a mobile yard waste

chipper for the County which will be made available to Howard County communities and hiring a part-time recycling coordinator. Recyclable materials collected will be transported to Spectrum Industries for processing and marketing. Grant funds are requested for equipment, building construction, yard waste chipper, and wages.

APPLICATION #32: Freiburger Waste Services, Inc.

REQUEST: \$222,079.48

APPLICANT: Private for profit, Gene Freiburger, Owner

DESCRIPTION: The proposed project involves implementing curbside collection of recyclables and solid waste in rural residential Linn County where recycling options are limited utilizing a co-hauling collection system. Targeted recyclables include: newspaper, tin, clear, green and brown glass, plastics, and white goods. Full implementation will take place over a two (2) year time frame. Grant funds are requested for collection vehicles, curbside collection bins, and wages.

APPLICATION #33: Plastic Processors Ltd.

REQUEST: \$100,000

APPLICANT: Private for profit, Norlyn Van Beek, Owner

DESCRIPTION: The project involves establishing a centralized processing facility for various types of waste plastics with initial concentration on PET. The facility, located in Sioux Center (Sioux County), would serve as a market purchasing plastics from recycling programs, processing facilities and businesses in the western half of the state. Plastics would undergo final processing and marketed. Equipment will be purchased using grant funds.

APPLICATION #34: Rinderknecht Associates, Inc.

REQUEST: \$173,952

APPLICANT: Private for profit, Gerald Friauf, Senior Vice President

DESCRIPTION: The Cedar Rapids (Linn County) based general contractor, proposes to increase the types and quantities of construction materials recycled at their job sites. The project involves utilizing smaller containers at the job site for source separation of recyclable materials and the transportation of these containers to the appropriate recycling facilities. Materials that can be recycled in this manner include: wood, plastics, concrete, metals, cardboard, and gypsum

wallboard. Grant funds would be utilized in the purchase of equipment, containers, and a flatbed truck for container transportation.

APPLICATION #35: Linn County

REQUEST: \$211,047

APPLICANT: Local Government, Rita Huber, Chair, County Board of Supervisors

DESCRIPTION: The applicant proposes to establish a permanent recycling/transfer station located at the county landfill. Materials to be accepted at the facility include: paper, cardboard, clear, green and brown glass, plastics, tin and batteries. Commercial and industrial recyclables will also be accepted. Grant funds are requested for building construction equipment, and education.

APPLICATION #36: FlaBro Plastic, Inc.

REQUEST: \$24,950

APPLICANT: Private for profit, Terry Flaig, President

DESCRIPTION: The Waterloo (Blackhawk County) applicant proposes to build and field test prototype 4" by 4" dimensional plastic lumber extruded from recycled plastic. Phase I (funding request) of the two phased project includes design, testing and manufacture of a die-head mold, machine set-up and extrusion of the prototype plastic lumber, and accelerated weather and field testing. Lumber will be comprised of recycled mixed color HDPE, glass reinforcing material and an ultraviolet light inhibitor. Representative target markets include IDOT, the Cities of Cedar Falls, Waterloo, and Waverly. Several northeast Iowa county highway departments have agreed to participate in field tests utilizing the project for sign posts. Grant funds are requested for equipment and salaries.

APPLICATION #37: Buena Vista County Solid Waste Commission

REQUEST: \$238,180

APPLICANT: Local Government, David Wiley, Chair

DESCRIPTION: The applicant proposes to upgrade and expand composting operations at the existing separation/recycling facility located in Storm lake (Buena Vista County). Grant funds will be utilized for the purchase of equipment and to increase the thickness of the asphalt pad to correct and prevent further deterioration of the composting pad. The project currently serves

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Buena Vista County with discussions being held to expand the service area to include other counties in the region.

APPLICATION #38: Carroll County Solid Waste Management Commission

REQUEST: \$52,500

APPLICANT: Local Government, Jim Ulveling, Director

DESCRIPTION: The applicant is proposing to purchase a tractor and 50 foot walking floor trailer. The tractor trailer will pick up recyclables from transfer stations in Ida, Crawford, Shelby and Audubon Counties for transport to the Carroll County recycling facility and will also be used to deliver processed recyclables to various markets. The project is designed to lower transportation costs, increase efficiency of the regional effort and guarantee vehicle availability.

APPLICATION #39: Iowa Recycling Association

REQUEST: \$28,980

APPLICANT: Private not for profit, Mick Barry, President

DESCRIPTION: The applicant is requesting grant funds to expand educational and marketing support to all sectors of the recycling industry in Iowa and to support and assist in the establishment of a statewide cooperative marketing arrangement. The IRA would assist in quality control parameters for collected recycled materials and assist local recycling programs with information and technical and marketing assistance. Grant funds are requested for salaries, office equipment and brochures.

APPLICATION #40: Riverbend Recycling, Inc.

REQUEST: \$188,133.60

APPLICANT: Private for profit, Mike Weikert, Vice President

DESCRIPTION: The Muscatine (Muscatine County) based company proposes to encourage voluntary public and business participation in recycling by placing recycling drop-off container trailers in the project area. The project area includes the City of Muscatine and adjacent areas. Materials to be accepted and processed include: cardboard, paper, glass, metal, plastic and waste oil. Grant funds are requested for the purchase of recycling container trailers, equipment, tractor trailer, and building improvements.

APPLICATION #41: Iowa Pellet Fuel, Inc.

REQUEST: \$157,900

APPLICANT: Private for profit, Tom Farzad, Business Officer

DESCRIPTION: The applicant proposes to establish a waste wood and nonrecyclable paper pelletizing plant in Iowa City (Johnson County) to be used as an alternative fuel source for home heating. Grant funds will be utilized for the purchase of equipment, building modifications, office supplies, salaries. The project will affect east central Iowa landfills by decreasing the amount of materials entering the landfill.

APPLICATION #42: City of Postville

REQUEST: \$45,910

APPLICANT: Local Government, John Hyman, Mayor

DESCRIPTION: The City of Postville (Allamakee County) is proposing to upgrade their yard waste composting program in order to produce a higher quality compost suitable for commercial marketing. In order to meet market specifications, grant funds will be utilized for the purchase of additional equipment. The project will serve the City of Postville.

APPLICATION #43: Recycling Resources, DDB Inc.

REQUEST: \$96,000

APPLICANT: Private for profit, Daniel Boster, Owner

DESCRIPTION: The Sheldon (O'Brien County) company proposes to serve as a market for granulated, unwashed plastics. The company will operate a granulated plastic washing and drying operation and in turn market the washed granulated plastic at an increased price to companies involved in plastics manufacturing. The company will purchase its "raw" materials from recyclers in western and central Iowa. Grant funds are requested for the purchase of equipment and building modifications.

APPLICATION #44: Preferred Packs, Ltd.

REQUEST: \$319,578

APPLICANT: Private for profit, Mark Houlton, Owner

DESCRIPTION: The West Des Moines (Polk County) business is proposing to replace disposable surgical gowns, drapes, wrappers, and other textile and plastic items used in hospitals, clinics and surgery centers with sterilized, reusable products. This waste reduction project will initially serve the Des Moines metro area from a centralized processing facility with projections to reach hospitals, clinics and surgery centers statewide. Grant funds are requested for equipment, supplies, salaries, building improvements, delivery vehicle, and supplies.

APPLICATION #45: Central Iowa Recycling, Inc.

REQUEST: \$300,000

APPLICANT: Private for profit, Ronald Huff, President

DESCRIPTION: The proposed project involves the manufacturing of plastic lumber made from ground plastic refuse to replace the use of wood. Initially plastic pallets will be manufactured with a business plan for possible product expansion. Plastics to be utilized in the manufacturing process is HDPE and LDPE. Both types of plastic will be ground and co-extruded. In the event a pallet wears out or breaks, the materials are returned, ground and remanufactured into a new board. The Urbandale (Polk County) based company will utilize plastics that are not currently recycled and serve as a plastics market statewide. Grant funds will be utilized for the purchase of equipment, salaries, equipment fabrication and building rent.

APPLICATION #46: DAC, Inc.

REQUEST: \$121,000

APPLICANT: Private not for profit, Ben Wright, Executive Director

DESCRIPTION: The, located in Maquoketa, Jackson County, involves the development of a plastic manufacturing plant adjacent to the existing recycling facility. This previous grantee proposes to manufacture and market 4' by 8' sheets of plastic for outdoor signs, concrete forms, truck beds, flooring, partition walls, etc. Grants funds are requested for equipment purchase and setup.

APPLICATION #47: Des Moines Metropolitan Area Solid Waste Agency

REQUEST: \$37,483

APPLICANT: Local Government, Teree Caldwell-Johnson, Director

DESCRIPTION: The applicant is proposing the establishment of a multi-family housing pilot recycling project in Polk County and the City of Norwalk, Warren County. The project involves

four (4) stages: study, development and implementation, action, and evaluation. Multi-family housing units accounts for approximately 33 percent of all housing units in the project area and no known recycling programs are being implemented for this segment of the population outside of drop-off collection. Grant funds are requested for operations and public education.

APPLICATION #48: Des Moines Metropolitan Area Solid Waste Agency

REQUEST: \$12,195

APPLICANT: Local Government, Teree Caldwell-Johnson, Director

DESCRIPTION: The proposed project is to assist people to recycle who live in a semi-independent situation and have some sort of physical limitation which restricts them from participating on their own in the existing county-wide drop-off recycling program. The project will match a volunteer for each client to develop a system of transporting recyclables to the nearest drop-off site and provide the client with information regarding other solid waste management opportunities in the project area. The project area is Polk County and the City of Norwalk, Warren County. Agency staff will be coordinating, implementing and monitoring the program. Grant funds will be utilized for a public education campaign, database development, volunteer/client matching, report generation, surveys and transportation.

APPLICATION #49: Home Recycling Exchange

REQUEST: \$100,000

APPLICANT: Private not for profit, Lyle Ball, Executive Director

DESCRIPTION: The applicant proposes to augment two existing programs by counseling low income persons in the planning and carrying out of home repair that is low-cost and cost effective in order to prevent house abandonment. The second program, the materials exchange program, is designed to make available, at cost, donated materials to low or moderate income households and agencies providing low cost housing by warehousing donated building materials, recycling and processing materials for ready use, and providing a delivery system to pick up donated materials and delivering them to homes for repair use. The Des Moines (Polk County) based organization will provide these services to the City of Des Moines and surrounding area. Grant funds are requested for building construction.

APPLICATION #50: Brad and Deb Morgan, Inc.

REQUEST: \$204,320

APPLICANT: Private for profit, Brad Morgan, Owner

DESCRIPTION: The Muscatine (Muscatine County) applicant currently operates a refuse collection, recycling service, and pallet recycling business in the project area of Muscatine County. The proposed project involves expanding both solid waste and pallet recycling operations. The company has also recently added one curbside recycling community to its client list and is offering curbside recycling to other communities in their service area. Grant funds are requested to construct additional storage and processing buildings, purchase a roll-off truck, pallet grinder, and curbside recycling carts.

APPLICATION #51: Ron Cox Sanitation and Recycling

REQUEST: \$278,100

APPLICANT: Private for profit, Ronald Cox, Owner

DESCRIPTION: The North English (Iowa County) project is seeking assistance to expand the existing recycling facility and purchase additional equipment to meet the increased volumes of recyclables collected and processed by the applicant. The project area served includes Iowa County and parts of Keokuk, Johnson, and Washington Counties. Materials collected and processed include: glass, newspaper, cardboard, plastics, metals, tires, and yard waste.

APPLICATION #52: Jacobs Energy Corporation

REQUEST: \$300,000

APPLICANT: Private for profit, Perry Jacobs, President

DESCRIPTION: To develop an alternative energy production facility by converting non-compostable wood waste into electrical power. The Bettendorf, Scott County facility, is requesting grant funds for the purchase of equipment and would serve wood waste generators within a 100 mile radius of the facility.

APPLICATION #53: PRO Cooperative

REQUEST: \$31,572

APPLICANT: Private for profit, Stanley Benjamin, Manager

DESCRIPTION: The farmers cooperative, located in Bradgate, Humboldt County, proposes to expand its paper shredding operation. Old newspaper is supplied by various entities in Humboldt, Kossuth, Palo Alto, and Pocahontas Counties. Project goals are increasing the amount of newspaper collected and processed, to reduce the labor intensity of the project, to

reduce the amount of newspaper currently being landfilled, make building improvements, and continuing education. Grant funds are requested for equipment, building modification, supplies and marketing.

Ms. Hay gave a brief explanation of the grant applications.

Charlotte Mohr asked if the department award grants to out-of-state companies.

Ms. Hay explained that an out-of-state company would be eligible for a grant if it is for an operation in Iowa.

A lengthy discussion followed in regards to including the name of the principal owner of a company applying for a grant. Also discussed was the issue of awarding a grant to a company who is listed on the Hazardous Waste Site Registry list.

William Ehm stated that the names of the applicants should be set aside and they should be analyzed on what they are proposing to accomplish, then go back and look at ownership, etc. He added that if an applicant is in constant violation of the law, then it should be reconsidered even if the project looks like an ideal proposal for a grant. He also pointed out that the Department of Economic Development awards incentives to firms from outside of the state and if a project will do Iowa some good, it should be supported.

Gary Priebe commented that he agrees that each project should be looked at on its environmental worth but he also agrees with Commissioner Yeager that the name of the owner should be shown on the applications list. He noted that the Commission has a right and a duty to know all of the participants in each grant project. He related that when a person goes to the bank to borrow money they do not get it if they do not disclose all owners involved.

Director Wilson indicated that an addition will be made to the application form requesting disclosure of ownership.

INFORMATIONAL ONLY

PUBLIC PARTICIPATION

Chairperson Hartsuck announced public participation at 10:40 a.m.; no one requested to speak.

GRANT PROJECT HISTORY

Teresa Hay, Division Administrator, Waste Management Assistance Division, presented the following item.

Per the Commission's request, staff has reviewed the grants awarded over the course of the grant program. To our knowledge only one business started with grant funds ceased operating and was

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sold to new owners. That facility was Waste Resource Recycling, owned by Larry and Nancy McDowell, in Iowa Falls.

WRR was purchased by Heartland Recycling, has been re-opened and is currently in business. Per the contract with WRR, DNR reviewed the terms of the sale and provided the attached letter to the new owners. The Department has not been involved in any other business failures.

Gary Priebe stated that he has heard that RoseBar is in financial trouble and inquired about their status.

Ms. Hay responded that RoseBar has had some difficulties and brought in new investors but they are still in operation and are selling products.

Brief discussion took place regarding markets for recycled products and the grantees responsibility to do their own marketing.

INFORMATIONAL ONLY

1992 HHM TOXIC CLEANUP DAYS REPORT

Teresa Hay, Division Administrator, Waste Management Assistance Division, presented the following item.

The annual report of Toxic Cleanup Days conducted around the state during 1992 has been prepared for submission to the General Assembly and Governor. The report contains a brief background on household hazardous materials as well as detailed information on each of the seventeen DNR-sponsored events held in Iowa in 1992: Allamakee, Calhoun, Cass, Cedar, Cerro Gordo, Clinton, Henry, Howard, Jones, Lee, Louisa, Monona, Palo Alto, Plymouth, Sac, Shelby, and Winnebago. Clinton and Lee counties had more than one collection site.

All of the events sponsored by DNR in 1992 continued to be conducted on an appointment only basis. Similar to 1991, this method of conducting the events resulted in high participation rates and low waiting time for individuals bringing waste in for disposal.

Ms. Hay stated that there were 17 events sponsored by DNR in 1992. One event in the Des Moines area was conducted by the local waste agency. The events were by appointment only and had a relatively high participation rate and reduced costs.

Chairperson Hartsuck asked if the \$2 cost per pound is reasonable or whether thought should be given to using systems that are less expensive.

Ms. Hay stated that a portion of the high cost is due to the fact that the contractor's staff is on hand all day and earn time-and-a-half. She pointed out that the cost is one of the reasons for

moving toward regional collection centers. Also, the department has a significant public education thrust on source reduction.

Clark Yeager commented that the per pound cost does not calculate out to \$2/lb using the figures shown for individual counties.

Ms. Hay stated that she will get the information on which those calculations were made and provide it to the Commission.

INFORMATIONAL ONLY

APPOINTMENT - DR. WILLIAM LEACH

Dr. William Leach, Generation Manager for Midwest Power, gave a presentation on electric generation discussing the following topics: 1) Background Information; 2) Iowa Information; 3) Large Generating Units; 4) Renewable Comparisons; and 5) Environmental Program. He expanded in great detail on each of these topics. Dr. Leach discussed alternatives to coal generation stations, current environmental programs and possible sources of energy in the future. He noted that wind and solar energy in Iowa are not practical due to climatic conditions.

Brief discussion followed.

Chairperson Hartsuck thanked Dr. Leach for his very interesting and informative presentation to the Commission.

FINANCIAL STATUS REPORT

Stan Kuhn, Division Administrator, Administrative Services Division, presented the following item.

Attached is the year-to-date division level financial status report.

(Reports are shown on the following 3 pages)

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	TOTAL EXPENDITURES 12/01/92 - 12/31/92	TOTAL EXPENDITURES FY-TO-DATE	YEAR-TO-DATE PLAN	OVER/UNDER YEAR-TO-DATE PLAN	CURRENT ANNUAL BUDGET
1000 DIRECTOR'S OFFICE					
101 PERSONAL SERVICES	78,036.86	500,476.80	510,506.00	10,029.00-	1,021,017.00
202 IN-STATE TRAVEL	4,027.79	14,996.57	26,576.00	11,579.00-	53,150.00
203 STATE VEHICLE OPERATION	287.17	1,863.26	3,065.00	2,102.00-	7,981.00
204 STATE VEHICLE DEPRECIATIO	666.00	3,950.00	4,250.00	2,295.00-	12,460.00
205 OUT-STATE TRAVEL	702.43	3,950.00	4,250.00	2,295.00-	8,500.00
301 OFFICE SUPPLIES	1,600.86	39,076.45	42,025.00	2,947.00-	84,050.00
302 FACILITY MAINTENANCE SUPP	37.04	66.89	1,000.00	933.00-	2,000.00
303 EQUIPMENT MAINTENANCE SUP	171.75	1,702.20	3,425.00	1,722.00-	6,650.00
306 OTHER SUPPLIES	1,008.74	16,993.26	32,516.00	16,521.00-	65,030.00
309 PRINTING & BINDING	4,640.00	105,366.92	131,921.00	26,554.00-	263,842.00
401 COMMUNICATIONS	1,433.24	8,383.10	13,600.00	5,206.00-	27,200.00
402 RENTALS	50.00	205.00	250.00	45.00-	500.00
403 UTILITIES	8.51	73.68	375.00	301.00-	750.00
405 PROF & SCIENTIFIC SERVICE	331.15	8,261.48	24,100.00	15,839.00-	48,200.00
406 OUTSIDE SERVICES	2,293.89	8,401.28	11,500.00	3,099.00-	23,000.00
410 DATA PROCESSING	600.00	1,372.62	6,725.00	5,353.00-	13,450.00
414 REIMBURSEMENTS TO OTHER A	0.00	559.50	112.00	447.00	225.00
501 EQUIPMENT	64.92	4,778.09	2,663.00	2,115.00	5,326.00
621 BACK PAY INTEREST	0.00	359.37	0.00	359.00	0.00
DIVISION TOTAL	97,118.35	719,847.27	821,732.00	101,886.00-	1,643,472.00

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	TOTAL EXPENDITURES 12/01/92 - 12/31/92	TOTAL EXPENDITURES FY-TO-DATE	YEAR-TO-DATE PLAN	OVER/UNDER YEAR-TO-DATE PLAN	CURRENT ANNUAL BUDGET
3000 ADMINISTRATIVE SERVICES DIV.					
101 PERSONAL SERVICES	303,385.33	1,980,057.40	2,033,989.00	53,931.00-	4,067,986.00
202 IN-STATE TRAVEL	2,899.02	15,629.44	25,100.00	9,470.00-	59,200.00
203 STATE VEHICLE OPERATION	3,692.02	25,195.77	30,250.00	5,055.00-	60,500.00
204 STATE VEHICLE DEPRECIATIO	5,940.00	35,590.00	37,100.00	1,510.00-	74,200.00
205 OUT-STATE TRAVEL	0.00	1,473.07	1,500.00	27.00	1,800.00
301 OFFICE SUPPLIES	38,974.40	155,835.10	161,050.00	5,215.00-	321,100.00
302 FACILITY MAINTENANCE SUPP	0.00	285.88	15,500.00	15,215.00-	31,000.00
303 EQUIPMENT MAINTENANCE SUP	5,747.45	20,264.67	24,000.00	3,735.00-	46,000.00
306 OTHER SUPPLIES	1,043.30	4,990.88	6,850.00	1,859.00-	13,700.00
309 PRINTING & BINDING	2,494.25	8,478.90	6,750.00	1,728.00-	13,500.00
312 UNIFORMS & RELATED ITEMS	0.00	104.49	1,000.00	896.00-	2,000.00
401 COMMUNICATIONS	6,443.26	32,251.64	46,550.00	14,298.00-	93,100.00
406 OUTSIDE SERVICES	801.45	2,578.84	19,700.00	17,121.00-	39,400.00
410 DATA PROCESSING	31,466.85	174,639.60	53,750.00	120,889.00-	107,500.00
412 AUDITOR OF STATE REIMBURS	0.00	43,411.27	75,000.00	31,589.00-	150,000.00
414 REIMBURSEMENTS TO OTHER A	0.00	1,767.50	19,500.00	17,733.00-	39,000.00
501 EQUIPMENT	639.00	56,870.77	77,750.00	20,880.00-	155,500.00
602 OTHER EXPENSES & OBLIGATI	31,364.87	53.24	0.00	53.00	0.00
621 BACK PAY INTEREST	0.00	2,177.53	0.00	2,176.00	0.00
DIVISION TOTAL	434,893.20	2,561,657.09	2,634,739.00	73,086.00-	5,269,466.00

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	TOTAL EXPENDITURES 12/01/92 - 12/31/92	TOTAL EXPENDITURES FY-TO-DATE	YEAR-TO-DATE PLAN	OVER/UNDER YEAR-TO-DATE PLAN	CURRENT ANNUAL BUDGET
4000 PARKS, PRES. & RECREATION DIV.					
101 PERSONAL SERVICES	339,610.00	2,978,109.01	2,848,581.00	129,527.00	5,667,167.00
202 IN-STATE TRAVEL	3,373.62	18,371.95	34,624.00	16,251.00-	88,250.00
203 STATE VEHICLE OPERATION	11,874.85	109,645.55	100,135.00	9,511.00	200,270.00
204 STATE VEHICLE DEPRECIATIO	23,795.00	147,540.00	143,700.00	3,840.00	287,400.00
205 OUT-STATE TRAVEL	208.78	1,750.10	3,925.00	2,174.00-	7,950.00
301 OFFICE SUPPLIES	2,789.57	17,752.56	22,850.00	5,098.00-	45,700.00
302 FACILITY MAINTENANCE SUPP	44,354.87	250,217.02	230,150.00	20,067.00	460,300.00
303 EQUIPMENT MAINTENANCE SUP	24,591.57	143,653.06	145,375.00	1,723.00-	280,700.00
307 AG. CONSERVATION & HORT S	1,643.67	3,485.50	10,750.00	7,255.00-	21,540.00
306 OTHER SUPPLIES	7,349.55	21,092.14	21,347.00	254.00-	42,694.00
309 PRINTING & BINDING	1,648.60	7,846.05	17,250.00	9,404.00-	34,500.00
312 UNIFORMS & RELATED ITEMS	44.05	812.45	19,284.00	18,472.00-	36,568.00
401 COMMUNICATIONS	8,109.01	40,024.75	52,501.00	12,476.00-	105,002.00
402 RENTALS	1,510.36	20,125.11	14,925.00	5,200.00	29,850.00
403 UTILITIES	38,368.42	194,331.54	180,475.00	13,856.00	380,951.00
405 PROF & SCIENTIFIC SERVICE	52.50	4,721.70	9,000.00	4,278.00-	18,000.00
406 OUTSIDE SERVICES	16,379.76	98,823.36	82,678.00	16,146.00	185,352.00
408 ADVERTISING & PUBLICITY	31.10	672.57	1,025.00	353.00-	2,050.00
410 DATA PROCESSING	0.00	396.83	5,000.00	4,603.00-	10,000.00
414 REIMBURSEMENTS TO OTHER A	0.00	766.66	250.00	516.00	500.00
501 EQUIPMENT	28,382.63	94,564.38	84,000.00	10,564.00-	128,000.00
602 OTHER EXPENSES & OBLIGATI	313.00	2,456.65	1,000.00	1,457.00	2,000.00
621 BACK PAY INTEREST	0.00	365.53	0.00	364.00	0.00
701 LICENSES	0.00	125.00	198.00	73.00-	396.00
DIVISION TOTAL	553,426.07	4,155,659.49	4,029,021.00	126,638.00	8,058,052.00

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6000 FORESTRY DIVISION					
101 PERSONAL SERVICES	137,041.38	867,647.50	967,238.00	90,596.00-	1,934,488.00
202 IN-STATE TRAVEL	4,946.85	18,553.26	20,000.00	1,446.00-	40,000.00
203 STATE VEHICLE OPERATION	7,084.96	26,208.38	42,750.00	2,441.00-	85,500.00
204 STATE VEHICLE DEPRECIATIO	11,070.00	66,438.00	77,000.00	5,640.00-	144,120.00
205 OUT-STATE TRAVEL	0.00	1,216.23	2,500.00	1,284.00-	5,000.00
301 OFFICE SUPPLIES	1,175.84	6,766.95	11,150.00	4,383.00-	23,300.00
302 FACILITY MAINTENANCE SUPP	4,126.93	17,504.06	19,500.00	1,996.00-	39,000.00
303 EQUIPMENT MAINTENANCE SUP	4,892.38	20,218.79	29,250.00	9,031.00-	58,500.00
307 AG. CONSERVATION & MORT S	12,612.52	66,891.41	49,611.00	43,289.00	87,228.00
308 OTHER SUPPLIES	1,695.11	4,026.85	24,250.00	25,223.00-	46,500.00
309 PRINTING & BINDING	102.25	3,362.80	7,800.00	4,437.00-	16,500.00
312 UNIFORMS & RELATED ITEMS	513.86	889.01	5,000.00	4,112.00-	10,000.00
401 COMMUNICATIONS	3,400.93	14,086.51	19,700.00	5,614.00-	39,400.00
402 RENTALS	140.00	6,952.01	18,500.00	11,548.00-	37,000.00
403 UTILITIES	4,201.65	9,675.40	15,900.00	6,225.00-	31,600.00
406 PROF & SCIENTIFIC SERVICE	3,120.75	3,120.75	0.00	2,121.00	0.00
406 OUTSIDE SERVICES	15,146.86	27,589.19	20,750.00	6,839.00	41,500.00
408 ADVERTISING & PUBLICITY	305.28	383.36	500.00	116.00	1,000.00
410 DATA PROCESSING	0.00	220.57	800.00	579.00	1,000.00
414 REIMBURSEMENTS TO OTHER A	0.00	100.00	150.00	50.00-	500.00
501 EQUIPMENT	8,153.48	23,043.88	40,350.00	17,316.00-	80,710.00
621 BACK PAY INTEREST	0.00	389.00	0.00	389.00	0.00
DIVISION TOTAL	219,953.24	1,218,342.83	1,361,768.00	143,425.00-	2,723,542.00

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	TOTAL EXPENDITURES 12/01/92 - 12/31/92	TOTAL EXPENDITURES FY-TO-DATE	YEAR-TO-DATE PLAN	OVER/UNDER YEAR-TO-DATE PLAN	CURRENT ANNUAL BUDGET
6000 ENERGY & GEOLOGICAL RESOURCES					
101 PERSONAL SERVICES	186,580.33	1,206,668.62	1,227,565.00	20,895.00-	2,455,144.00
202 IN-STATE TRAVEL	2,661.99	11,398.88	18,569.00	7,168.00-	37,139.00
203 STATE VEHICLE OPERATION	957.82	10,136.58	11,825.00	1,688.00-	23,660.00
204 STATE VEHICLE DEPRECIATIO	2,480.00	14,845.00	16,785.00	1,945.00-	33,570.00
205 OUT-STATE TRAVEL	732.56	6,663.50	11,700.00	2,516.00-	23,400.00
301 OFFICE SUPPLIES	5,551.43	13,714.40	7,449.00	6,265.00	14,869.00
303 EQUIPMENT MAINTENANCE SUP	457.77	6,219.82	8,575.00	2,355.00-	17,150.00
304 PROF & SCIENTIFIC SUPPL	0.00	265.40	600.00	335.00-	1,200.00
308 OTHER SUPPLIES	1,914.51	12,082.48	18,379.00	6,296.00-	36,759.00
309 PRINTING & BINDING	1,334.65	5,282.39	14,350.00	9,067.00-	28,700.00
401 COMMUNICATIONS	1,050.35	13,487.21	16,875.00	3,378.00-	33,750.00
402 RENTALS	400.00	1,100.00	1,200.00	100.00-	2,400.00
403 UTILITIES	45.53	2,838.62	6,360.00	3,521.00-	12,720.00
406 PROF & SCIENTIFIC SERVICE	24,351.78	134,884.14	317,918.00	183,024.00-	635,837.00
406 OUTSIDE SERVICES	206.02	7,375.15	8,845.00	2,475.00-	19,685.00
410 DATA PROCESSING	0.00	2,140.24	8,300.00	6,160.00-	18,600.00
414 REIMBURSEMENTS TO OTHER A	268.07	1,498.82	2,846.00	1,348.00-	5,695.00
501 EQUIPMENT	7,489.69	14,830.37	13,250.00	1,579.00	26,500.00
621 BACK PAY INTEREST	0.00	481.77	0.00	481.00	0.00
DIVISION TOTAL	237,388.50	1,468,124.20	1,712,381.00	244,256.00-	3,424,808.00

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7000 ENVIRONMENTAL PROTECTION DIV.					
101 PERSONAL SERVICES	551,806.36	3,547,667.23	3,815,773.00	268,105.00-	7,631,563.00
202 IN-STATE TRAVEL	3,925.71	23,466.92	58,110.00	34,644.00-	116,220.00
203 STATE VEHICLE OPERATION	2,450.95	10,003.75	28,250.00	9,245.00-	56,500.00
204 STATE VEHICLE DEPRECIATIO	5,105.00	30,630.00	31,500.00	1,870.00-	65,000.00
205 OUT-STATE TRAVEL	1,636.59	14,328.92	33,250.00	18,921.00-	106,000.00
301 OFFICE SUPPLIES	9,229.56	29,528.29	33,050.00	3,521.00-	66,000.00
302 FACILITY MAINTENANCE SUPP	104.10	11,155.56	1,050.00	10,105.00	2,100.00
303 EQUIPMENT MAINTENANCE SUP	308.73	2,567.40	4,200.00	1,632.00-	8,400.00
308 OTHER SUPPLIES	2,662.45	12,852.66	18,675.00	5,822.00-	37,350.00
309 PRINTING & BINDING	6,379.75	34,286.95	28,920.00	5,366.00	57,840.00
312 UNIFORMS & RELATED ITEMS	93.44	340.84	750.00	409.00-	1,500.00
401 COMMUNICATIONS	9,812.30	62,801.42	88,918.00	6,117.00-	137,836.00
402 RENTALS	6,161.40	24,341.16	30,150.00	5,809.00-	60,300.00
403 UTILITIES	1,586.84	8,610.67	8,822.00	2,211.00-	17,648.00
406 PROF & SCIENTIFIC SERVICE	114,932.91	344,509.78	953,647.00	609,436.00-	1,907,895.00
406 OUTSIDE SERVICES	3,570.23	31,832.46	41,235.00	9,402.00-	82,470.00
408 ADVERTISING & PUBLICITY	299.37	1,440.17	5,200.00	3,760.00-	10,400.00
410 DATA PROCESSING	0.00	21,054.25	81,830.00	60,777.00-	163,600.00
414 REIMBURSEMENTS TO OTHER A	280.00	6,128.44	12,390.00	6,133.00-	24,580.00
501 EQUIPMENT	81,380.11	248,143.96	121,543.00	126,600.00	243,087.00
602 OTHER EXPENSES & OBLIGATI	0.00	28.14	0.00	28.00	0.00
621 BACK PAY INTEREST	0.00	897.29	0.00	898.00	0.00
DIVISION TOTAL	804,724.80	4,472,214.48	5,398,463.00	926,254.00-	10,796,946.00

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8000 FISH AND WILDLIFE DIVISION					
101 PERSONAL SERVICES	935,778.05	6,267,789.03	6,193,425.00	74,366.00	12,386,876.00
202 IN-STATE TRAVEL	29,943.51	146,831.42	157,680.00	12,047.00-	315,265.00
203 STATE VEHICLE OPERATION	56,632.05	239,449.60	228,537.00	9,912.00-	467,079.00
204 STATE VEHICLE DEPRECIATIO	57,300.00	347,436.00	368,993.00	18,256.00-	731,367.00
205 OUT-STATE TRAVEL	1,441.69	15,698.54	14,600.00	1,098.00	29,000.00
301 OFFICE SUPPLIES	56,988.02	153,484.25	102,800.00	50,684.00	205,620.00
302 FACILITY MAINTENANCE SUPP	33,587.47	123,352.25	155,211.00	31,861.00-	319,424.00
303 EQUIPMENT MAINTENANCE SUP	25,051.84	102,309.28	171,763.00	10,545.00-	243,527.00
307 AG., CONSERVATION & HORT S	12,971.46	101,355.13	181,434.00	49,679.00-	202,670.00
308 OTHER SUPPLIES	25,024.52	66,456.07	40,891.00	25,567.00	81,783.00
309 PRINTING & BINDING	2,606.20	43,050.17	63,353.00	20,303.00-	126,706.00
312 UNIFORMS & RELATED ITEMS	4,361.47	21,123.82	57,145.00	36,013.00-	114,296.00
401 COMMUNICATIONS	16,913.56	91,687.74	89,327.00	1,742.00	175,655.00
402 RENTALS	1,787.00	21,684.82	110,185.00	2,609.00-	48,892.00
403 UTILITIES	17,697.98	82,913.60	24,285.00	27,274.00-	220,370.00
405 PROF & SCIENTIFIC SERVICE	6,871.74	64,260.74	55,000.00	9,261.00	110,000.00
406 OUTSIDE SERVICES	19,868.04	55,573.13	65,740.00	169.00	131,480.00
408 ADVERTISING & PUBLICITY	184.42	499.00	950.00	450.00	1,900.00
410 DATA PROCESSING	0.00	2,853.86	20,500.00	17,746.00-	41,200.00
414 REIMBURSEMENTS TO OTHER A	111.77	14,249.52	75,175.00	60,925.00-	150,350.00
501 EQUIPMENT	54,236.73	228,036.10	157,273.00	71,665.00	314,548.00
602 OTHER EXPENSES & OBLIGATI	150.00	486.05	300.00	186.00	600.00
621 BACK PAY INTEREST	0.00	5,156.68	0.00	5,156.00	0.00
DIVISION TOTAL	1,339,879.52	8,284,194.50	8,301,386.00	17,186.00-	16,602,825.00

J080C103

IOWA DEPARTMENT OF NATURAL RESOURCES SUMMARY OF EXPENDITURES VS. YEAR-TO-DATE PLAN AS OF 12/31/92

PAGE 8

	TOTAL EXPENDITURES 12/01/92 - 12/31/92	TOTAL EXPENDITURES FY-TO-DATE	YEAR-TO-DATE PLAN	OVER/UNDER YEAR-TO-DATE PLAN	CURRENT ANNUAL BUDGET
9000 WASTE MANAGEMENT AUTHORITY					
101 PERSONAL SERVICES	58,180.26	306,547.48	363,307.00	56,761.00-	726,616.00
202 IN-STATE TRAVEL	4,265.28	10,156.96	15,800.00	5,643.00-	31,600.00
205 OUT-STATE TRAVEL	1,787.06	6,752.62	10,350.00	3,597.00-	29,700.00
301 OFFICE SUPPLIES	45.23	768.20	3,705.00	2,938.00-	7,413.00
302 FACILITY MAINTENANCE SUPP	0.00	752.94	135.00	618.00	275.00
303 EQUIPMENT MAINTENANCE SUP	0.00	73.75	0.00	74.00	0.00
308 OTHER SUPPLIES	77.51	7,019.74	7,575.00	556.00-	15,150.00
309 PRINTING & BINDING	451.10	6,137.60	32,500.00	26,363.00-	69,000.00
401 COMMUNICATIONS	577.75	12,852.59	12,327.00	525.00	24,655.00
405 PROF & SCIENTIFIC SERVICE	21,950.02	67,036.62	85,353.00	17,717.00-	170,707.00
406 OUTSIDE SERVICES	150.84	3,470.04	1,992.00	1,478.00	3,985.00
410 DATA PROCESSING	0.00	490.28	3,140.00	2,650.00-	8,280.00
414 REIMBURSEMENTS TO OTHER A	5,779.36	6,275.11	9,075.00	2,800.00-	18,150.00
501 EQUIPMENT	19,826.78	19,826.78	13,205.00	6,622.00	26,410.00
621 BACK PAY INTEREST	0.00	75.42	0.00	76.00	0.00
DIVISION TOTAL	113,462.19	448,836.13	558,464.00	106,632.00-	1,116,935.00

Mr. Kuhn gave an explanation of the report.

Discussion followed regarding equipment purchases.

Chairperson Hartsuck asked how the department came out on budget recommendations to the governor.

Mr. Kuhn stated that the department essentially received the same as this year with the exception of having a lot of positions cut from the Table of Organization. He related that all of the positions that were reduced are positions that were vacant through attrition.

INFORMATIONAL ONLY

MONTHLY REPORTS

Allan Stokes, Division Administrator, Environmental Protection Division, presented the following item.

The following monthly reports are enclosed with the agenda for the Commission's information.

1. Rulemaking Status Report
2. Variance Report
3. Hazardous Substance/Emergency Response Report
4. Enforcement Status Report
5. Contested Case Status Report

Members of the department will be present to expand upon these reports and answer questions.

IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION COMMISSION
RULEMAKING STATUS REPORT
January 1, 1993

PROPOSAL	NOTICE TO COMMISSION	NOTICE PUBLISHED	RULES REVIEW COMMITTEE	HEARING	FINAL SUMMARY TO COMMISSION	RULES ADOPTED	RULES PUBLISHED	RULE EFFECTIVE
1. Ch. 1 - Conflict of Interest	*2/15/93	*3/17/93	*4/ /93	*4/ /93	-----	-----	-----	-----
3. Ch. 42 - Water Supply Laboratory Certification	12/21/92	1/20/93	*2/ /93	-----	*3/15/93	*3/15/93	*4/14/93	*5/19/93
4. Ch. 61 - Stream Use Designation - Phase V	1/19/93	*2/17/93	*3/ /93	*3/09/93 *3/10/93	*3/15/93	*3/15/93	*4/14/93	*5/19/93
7. Ch 102 - Financial Assurance Mechanism for Closure and Post-Closure Costs at Sanitary Disposal Projects	10/19/92	11/11/92	12/01/92	12/01/92 12/02/92 12/03/92	*2/15/93	*2/15/93	*3/17/93	*4/21/93
9. Ch. 211 - Regional Collection Centers for Household Hazardous Materials	11/16/92	12/09/92	1/05/93	12/30/92	*2/15/93	*2/15/93	*3/17/93	*4/21/93

MONTHLY VARIANCE REPORT						
Month: December, 1992						
No.	Facility	Program	Engineer	Subject	Decision	Date
1.	ALCOA - Davenport	Air Quality		Permit Requirements	Approved	12/18/92
2.	Kenneth Hykes - Dallas County	Air Quality		Rubbish	Approved	12/18/92
3.	Chelsea, City of	Flood Plain	Van Winkle-Jacob Engineering, Inc.	Freeboard	Approved	12/01/92
4.	Cass County	Flood Plain	Calhoun-Burns & Associates, Inc.	Freeboard	Approved	12/21/92
5.	Battle Creek, City of	Watersupply Construction		Construction Materials	Approved	12/02/92

January 1993

Environmental Protection Commission Minutes

IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION COMMISSION

ITEM _____

INFORMATION

TOPIC: Report of Hazardous Conditions

During the period December 1, 1992 through December 31, 1992, reports of 67 hazardous conditions were forwarded to the Central Office. Two incidents are highlighted below. A general summary and count by field office is attached. These do not include releases from underground storage tanks, which are reported separately.

Date Reported and County	Description: Material, Amount, Date of Incident, Cause, Location, Impact	Responsible Party	Response and Corrective Actions
12/03/92 Polk	A saddle tank was damaged by snow and ice as a driver was backing his truck up. 100 gallons of diesel fuel was released on a concrete parking lot and the surrounding soil. Surface waters were not impacted by this spill.	Sprint Corp. Box 206 Forest, VA	The Des Moines Haz Mat team responded. Absorbants were applied to contain the diesel fuel. A contractor was hired to excavate soil and properly dispose of the waste.
12/09/92 Lee	A trap on a digester blew out and 5000 gallons of anaerobic waste was released at the plant site. There was a potential for the waste to be discharged into a nearby creek.	ADM/Ogilvie 2620 Henkel Ave. Keokuk, IA	The outfall to the creek was plugged. The waste was then washed into a catch basin and recovered with a vacu-pump. The waste was returned to the facility's wastewater treatment system.

Allan E. Stokes
Administrator
Environmental Protection Division

Environmental Protection Commission Minutes

January 1993

NUMBERS IN PARENTHESES REPRESENT REPORTS FOR THE SAME PERIOD IN FISCAL YEAR 1992

Substance Type

Mode

Month	Total # of Incidents	Petroleum Product	Agri. Chemical	Other Chemicals and Substances	Handling and Storage	Pipeline	Highway Incident	RR Incident	Fire	Other
Oct.	83(87)	54(52)	8(4)	21(31)	51(42)	0(2)	25(24)	2(2)	0(0)	5(17)
Nov.	84(83)	46(56)	7(3)	21(22)	38(44)	1(1)	26(22)	0(0)	0(0)	9(13)
Dec.	67(81)	41(47)	9(7)	17(27)	37(40)	2(2)	28(28)	0(2)	0(1)	9(8)
Jan.										
Feb.										
March										
April										
May										
June										
July										
August										
Sept.										

Total Number Of Incidents Per Field Office This Period:

1	2	3	4	5	6
12	16	6	5	15	13

REPORTS OF RELEASES FROM UNDERGROUND STORAGE TANKS

During the period of December 1, 1992 through December 31, 1992, the following number of releases from underground storage tanks were identified.

14 (34)

The number in parentheses represents the number of releases during the same period in Fiscal Year 1991.

NUMBER OF LUST CLEANUPS COMPLETED

During the period of December 1, 1992 through December 31, 1992, the following number of LUST cleanups were completed.

6 (537)

The number in parentheses represents the total number of LUST cleanups through December 31, 1992.

E93Jan-27

The following new enforcement actions were taken last month:

Name, Location and Field Office Number	Program	Alleged Violation	Action	Date
David Young d/b/a Sierp Oil Co., Casey (5)	Underground Tank	Closure Investigation	Order/Penalty	12/07/92
Chicago & Northwestern Transportation Co., Council Bluffs (4)	Hazardous Condition	Failure to Notify	Order/Penalty	12/07/92
Spring Lake Golf Course, Ft. Madison (6)	Drinking Water	Monitoring/Reporting-Nitrate; Public Notice	Order/Penalty	12/07/92
Gary Lalor, Wright Co. (2)	Air Quality Solid Waste	Open Burning Illegal Disposal	Order/Penalty	12/07/92
TIP Farms, Wright Co. (2)	Wastewater	Prohibited Discharge	Amended Order	12/07/92
Crescent Ski Hills, Crescent (4)	Drinking Water	Monitoring/Reporting-Nitrate; Public Notice	Order/Penalty	12/07/92
Karen French, Webster Co. (2)	Flood Plain	Construction Without Permit	Order/Penalty	12/07/92
Stanley Siems, Hardin Co. (2)	Solid Waste	Illegal Disposal	Order	12/07/92
Washburn Water Co., Inc. Waterloo (1)	Drinking Water	Compliance Schedule; MCL-Nitrate	Order/Penalty	12/14/92
Guthrie Center, City of (4)	Air Quality	Open Burning	Order/Penalty	12/14/92
Don Grell d/b/a Dodger Enterprise, Ft. Dodge (2)	Air Quality	Open Burning	Order/Penalty	12/14/92
Pirelli Armstrong Tire Corp., Polk Co. (5)	Solid Waste	Monitoring/Reporting; Other	Order/Penalty	12/18/92
Manilla, City of (4)	Wastewater	Discharge Limits	Amended Order	12/18/92
Beed's Lake Homeowners Assoc., Hampton (2)	Drinking Water	Monitoring/Reporting-Other Inorganics	Amended Order-Rescinded	12/18/92
Curnes Homes, Ltd., Carlisle (5)	Air Quality	Open Burning	Order/Penalty	12/18/92
Duane Lester d/b/a Lester Painting, Des Moines (5)	Air Quality	Open Burning	Order/Penalty	12/18/92
Kevin Askins d/b/a Community Builders, Carlisle (5)	Air Quality	Open Burning	Order/Penalty	12/18/92
Dave Pittman d/b/a Pittman Construction, Des Moines (5)	Air Quality	Open Burning	Order/Penalty	12/18/92
Midway Water and Lighting Co., Inc., Marion (1)	Drinking Water	MCL-Bacteria; Monitoring/Reporting	Referred to AG	12/21/92
Neil Rankin d/b/a Ranking Roofing & Siding Co., Knoxville (5)	Air Quality	Open Burning	Referred to AG	12/21/92
Craig Murquia d/b/a Seven Ponds Park, Sperry (6)	Drinking Water	Monitoring/Reporting-Bacteria & Nitrate	Referred to AG	12/21/92
Lisbon, City of (1)	Drinking Water	MCL-Bacteria	Amended Order	12/28/92
Anamosa, City of (1)	Wastewater	Effluent Limits	Amended Order	12/28/92
Hickory Acres Homeowners Assn., Dubuque (1)	Drinking Water	MCL-Bacteria; Public Notice	Order/Penalty	12/28/92

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Summary of Administrative Penalties

The following administrative penalties are due:

NAME/LOCATION	PROGRAM	AMOUNT	DUE DATE
Don Grothe d/b/a Don's Motor Mart (Lake Mills)	UT	300	9-10-92
Delano's Lounge (Washington)	WS	500	9-20-92
Robert Plendl d/b/a Plendl Bros. Trucking (Kingsley)	UT	300	10-15-92
Ron Jungling d/b/a Jungling Texaco (Wellsburg)	UT	550	11-18-92
Marvin Kruse d/b/a K & C Feeds (Luana)	UT	300	12-01-92
Reed's Interstate Sales (New Virginia)	WS	525	12-16-92
Breeden Shop Building (Linn Co.)	FP	200	12-16-92
*Leisure Lake Inn (Bernard)	WS	100	1-15-93
William D. Ames (Woodbury Co.)	SW	1,000	1-20-93
Tony Hoyt d/b/a Lake Wilderness (Lee Co.)	SW	1,000	1-23-93
Dennis Doud d/b/a D & D Tire (Moravia)	UT	300	1-24-93
Jay Roy; Roy's Inc. d/b/a Jay's Service (Des Moines)	UT	1,000	1-24-93
Tim Sharp (Newton)	UT	1,000	1-25-93
Fausser Oil Company, Inc. (Elgin)	UT	1,000	1-25-93
Balbort Beverage Co. (Burlington)	UT	300	1-25-93
Jack Link Truck Line, Inc. (Dyersville)	UT	300	1-25-93
David Young d/b/a Sierp Oil Co. (Casey)	UT	300	2-10-93
Chicago/Northwestern Transp. Co. (Council Bluffs)	HC	1,000	2-11-93
Charles Hennaman (Mitchel Co.)	SW	450	2-16-93
Karen French (Webster Co.)	FP	400	2-16-93
Don Grell d/b/a Dodger Enterprise (Ft. Dodge)	AQ	10,000	2-16-93
Washburn Water Co., Inc. (Waterloo)	WS	200	2-17-93
Guthrie Center, City of	AQ	1,000	2-17-93
Pirelli Armstrong Tire Corp. (Polk Co.)	SW	1,000	2-23-93
Kevin Askins d/b/a Community Builders (Carlisle)	AQ	400	2-23-93
Carson Grain & Implement (Coggon)	UT	1,000	-----
Spring Lake Golf Course (Ft. Madison)	WS	200	-----
Curnes Homes, Ltd. (Carlisle)	AQ	500	-----
Duane Lester d/b/a Lester Painting Co. (Des Moines)	AQ	300	-----
Dave Pittman d/b/a Pittman Construction (Des Moines)	AQ	300	-----
Hickory Acres Homeowners Assoc. (Dubuque)	WS	500	-----

The following cases have been referred to the Attorney General:

NAME/LOCATION	PROGRAM	AMOUNT	DUE DATE
OK Lounge (Marion)	WS	448	11-01-87
Richard Davis (Albia)	SW	1,000	2-28-88
Eagle Wrecking Co. (Pottawattamie Co.)	SW	300	5-07-89
*Twelve Mile House (Bernard)	WS	119	5-20-89
*Lawrence Payne (Ottumwa)	SW	425	6-19-89
William L. Bown (Marshalltown)	SW	1,000	10-01-89
Wellendorf Trust (Algona)	AQ/SW	460	2-12-90
Donald P. Ervin (Ft. Dodge)	SW	669	3-05-90
Amoco Oil Company (Des Moines)	UT	1,000	8-15-90
Gerald G. Fregler (Dubuque Co.)	SW	1,000	9-02-90
Donald R. Null (Clinton Co.)	AQ/SW	1,000	9-06-90
Robert and Sally Shelley (Guthrie Center)	SW	1,000	3-04-91
Fred Varner (Worth Co.)	SW	950	4-11-91
Honey Creek Camping Resort (Crescent)	WS	245	6-13-91
F.R. Thomas/F.R. Thomas, Jr. d/b/a Clair View Acres Store (Delhi)	WS	1,000	8-04-91
*M & W Mobile Home Park (Muscatine)	WW	200	8-21-91
Vern Starling (Boone Co.)	SW	690	9-15-91
Lloyd Dunton (Iowa Co.)	SW	300	11-07-91
Vincent Martinez d/b/a Martinez Sewer (Davenport)	HC	500	1-01-92
Vernus Wunschel d/b/a Wunschel Oil Co. (Ida Grove)	UT	300	1-12-92
Dilts Trucking, Inc. (Crescent)	UT	500	1-12-92
R.D. Loftin, DVM (Osage)	UT	300	2-12-92
Bernard Sadler/Ger-Mar Farms (Allamakee Co.)	SW	500	3-28-92
Kenneth Bode (Mills Co.)	SW	300	4-27-92
Van Hulzen Oil Company (Oskaloosa)	UT	700	4-27-92
*Todd D. Behounek and Paul Behounek (Tama Co.)	SW	100	5-21-92
V.R. Dillingham d/b/a Barb's Service (Everly)	UT	600	5-21-92
Leonard Page d/b/a Kent Store (Kent)	UT	300	5-25-92
Tandem Oak Park Associates (Ft. Dodge)	WS	405	6-03-92
Dick White (Washington County)	AQ	250	8-15-92
Central Paving Corporation (Indianola)	UT	300	8-20-92
Marion Stark (Kellerton)	UT	300	8-26-92
Midway Water & Lighting (Marion)	WS	860	10-07-92
Shirley Pecoy d/b/a Joe's Place (Sexton)	UT	300	10-19-92
63-80 Cafe (Malcom)	WS	1,000	10-22-92
Seven Ponds Park (Des Moines County)	WS	535	11-03-92
Rankin Roofing & Siding Co. (Knoxville)	AQ	500	11-09-92

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The following administrative penalties have been appealed:

NAME/LOCATION	PROGRAM	AMOUNT
Amoco Oil Co. (Des Moines)	UT	1,000
Iowa City Regency MHP (Iowa City)	WW	1,000
1st Iowa State Bank (Albia)	SW	1,000
Cloyd Foland	FP	600
Amoco Oil Co. (West Des Moines)	UT	1,000
Sioux City, City of	WW	1,000
Des Moines, City of	HC	1,000
Van Dusen Airport Services (Des Moines)	HC	1,000
Maple Crest Motel and MHP (Mason City)	WS	350
Chicago & North Western Transportation, et.al.	SW	1,000
Joe Eggers, Jr., et.al. (St. Ansgar)	SW	1,000
McDowell Dam #1 (Lee Co.)	FP	500
McDowell Dam #2 (Lee Co.)	FP	500
Oskaloosa Food Products Corp. (Oskaloosa)	WW	1,000
Oskaloosa, City of	WW	1,000
Westside Park for Mobile Homes (Lee Co.)	WW	250
Casey's General Store (Redfield)	UT	1,000
Tower Club (Cresco)	WS	400
Wiota, City of	WS	500
Hickory Hollow Water Co. (Ankeny)	WS	400
Dell Oil Ltd. (Sioux City)	HC	1,000
Nordstrom Oil Company (Cedar Rapids)	HC	1,000
White Consolidated/Frigidaire Co. (Jefferson)	WW	1,000
D. Frank/D. Steib/Interstate Salvage (Webster Co.)	AQ	600
Linden, City of	WS	1,000
William H. Viner (Emerson)	UT	600
Partners-Four-Investments, Inc. (Rockwell)	UT	700
Farmers Cooperative Elevator (Martelle)	HC	1,000
Partners-Four-Investments, Inc. (Marble Rock)	UT	700
Community Cooperative Oil Co. (Marcus)	UT	600
Community Cooperative Oil Co. (Paullina)	UT	600
Community Cooperative Oil Co. (Remsen)	UT	600
Humboldt County Sanitary Landfill Commission	SW	1,000
Wayne Transportation, Inc. (Greene)	WW	1,000
Mulgrew Oil Company (Dubuque)	HC	500
Clement Auto and Truck, Inc. (Webster City)	UT	500
John Staub d/b/a Mr. Convenient (Burlington)	UT	600
Charles Kerr (Sloan)	UT	600
Swaledale, City of	WS	400
Stringtown Country Cafe (Lenox)	WS	1,000
Lincoln Farm and Home Service (Henderson)	WW	1,000
Joslin Enterprises, Ltd. (Anamosa)	UT	600
Country Estates Mobile Home Park (Long Grove)	WS	765
Chickasaw Co. SLF, et.al. (Chickasaw Co.)	SW	1,000
Richard Newman (Des Moines Co.)	SW	500
Gerks Seasonal MHP and Resort (Spirit Lake)	WS	200
Plymouth Cooperative Oil Co. (Hinton)	WW	1,000
LaVerne Rehder (Union)	UT	300
Randy Bonin/Vickie Brannick (Hardin Co.)	SW	500
Ida County Sanitary Landfill (Ida Co.)	SW	1,000
Dean Hoeness d/b/a Hoeness & Sons (Winterset)	UT	300
Waste Systems Corp./Ronald Roth (Winnebago Co.)	SW	1,000
Decatur, City of	UT	600
South High Point Well Assn. #1 (Iowa City)	WS	600
Case Power and Equipment (Decorah)	WS	500
Cedar Valley Corporation (Waterloo)	AQ	1,000
King's Terrace Mobile Home Court (Ames)	WW	500
ITWC, Inc. (Malcom)	AQ	1,000
Donald Ferkle (Muscatine Co.)	AQ	600
Lloyd Decker (Floyd Co.)	SW	1,000
Eldon Krambeck (Scott Co.)	AQ	1,000
United Tile & Brick (Adel)	WW	1,000
Country Mobile Home Court (New Hampton)	WS	845
Albert Rohwer/Chelmer Flynn (Scott Co.)	SW	1,000
Bernard Gavin Veterinary Clinic (Wellsburg)	UT	600
DeWayne McCoy d/b/a DeWayne's Auto Sales (Newton)	UT	300
Tracy Below (Hardin Co.)	WW	1,000
Cargill, Inc./Walnut Grove Research (Cass Co.)	WW	1,000
Grand Laboratories, Inc. (Larchwood)	WW	1,000
Frank Hulshizer (Benton Co.)	SW	500
Cargill, Inc. (Eddyville)	SW/WW	1,000
Gary Lalor (Wright Co.)	AQ/SW	600
Gantz Enterprises (Dubuque)	AQ	1,000

Environmental Protection Commission Minutes

January 1993

The following administrative penalties were paid last month:

NAME/LOCATION	PROGRAM	AMOUNT
Sioux Harbor Enterprises (Sioux City)	UT	1,000
James J. Bielfeldt (Crawford Co.)	FP	600
PAM Fuels, Inc. (Milford)	UT	500
Harrison County Landfill	SW	1,000
Des Moines, City of	WW	1,000
Buffalo Bill Estates, Inc. (Camanche)	WS	415
Orville Reid, Jr. (Cedar County)	WW	250
Lakeview Knolls Homeowners Assn. (Solon)	WS	100
Hanlontown, City of	WS	115
Capitol Oil Co. d/b/a Dakota MHP (Iowa City)	WW	1,180
College Springs, City of	WS	250
Timberlane Addition (Ft. Dodge)	WS	250
Waucoma, City of	WS	100
Rutland, City of	WS	200
Hidden Acres Christian Center (Dayton)	WS	100
Lawrence Fritz (Lee Co.)	WW	100
Crescent Ski Hills (Crescent)	WS	50
TOTAL		7,210

The \$300 penalty assessed to Beeds Lake Homeowners Assoc. (Hampton) has been rescinded.

DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION COMMISSION ATTORNEY GENERAL REFERRALS January 1, 1993

Name, Location and Region Number	Program	Alleged Violation	DNR Action	New or Updated Status	Date
Al's Corner Oil Co. Carroll (4)	Updated	Hazardous Condition	Remedial Action	Order	Referred Petition Filed 12/16/91 12/16/92
American Meat Protein Corp. Lytton (3)	Updated	Wastewater	Pretreatment	Referred to Attorney General	Referred Petition Filed Motion to Add City Granted 10/21/91 4/30/92 12/16/92
Ames Golf & Country Club Ames (5)		Wastewater	Op. Violations Effluent Limits	Referred to Attorney General	Referred 8/19/91
Amoco Oil Company Des Moines (5)		Underground Tank	Referred to Remedial Action	Referred Attorney General	Referred Suit Filed Trial Date 8/21/90 10/15/90 9/27/91 3/29/93
Anthon, City of (3)		Wastewater	Discharge Limits	Order	Referred 11/16/92
Archer Daniels Midland Co. Clinton County (6)		Wastewater Air Quality	Prohibited Discharge Emission Side	Referred to Attorney General	Referred Amended Petition Filed Referred Petition Filed Trial Date 3- .91 10/28/91 5/20/91 10/04/91 1/18/93
Behreusack, Paul and Todd Tama (5)	Updated	Air Quality	Open Burning	Referred to Attorney General	Referred Petition Filed 5/18/92 12/11/92

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Environmental Protection Commission Minutes

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION COMMISSION
ATTORNEY GENERAL REFERRALS
January 1, 1993

Name, Location and Region Number	Program	Alleged Violation	DNR Action	How or Updated Status	Date
Birmingham, Kinshia A. Crescent (4)	Updated	Solid Waste	Illegal Disposal	Referred to Attorney General	Referred Petition Filed 6/15/92 12/11/92
Boley, Fred d/b/a Boley Oil McCasland (6)	Updated	Hazardous Condition	Remedial Action	Order	Referred Site Investigation Plan Petition Filed 2/17/92 9/6/92 12/14/92
Bridgestone/Firestone, Inc. Des Moines (5)	Updated	Wastewater Hazardous Condition	Prohibited Discharge/ Failure/Notify	Referred to Attorney General	Referred Trial Information Filed Dismissed 5/21/90 7/06/92
Bryant, Robert D.V.M. d/b/a Cherokee Hog Farms Aurelia (3)		Wastewater	Prohibited Discharge	Referred to Attorney General	Referred Trial Information Trial Set 7/15/91 5/19/92 1/ /93
Capital City Oil Co. d/b/a Dakota Mobile Home Park Iowa City (6)	Updated	Wastewater	Monitoring/ Reporting	Order/Penalty	Referred Admin. Penalty Paid (1,180) 2/17/92 12/22/92
Carney, Don and Gertrude Ft. Dodge (2)		Solid Waste	Illegal Disp.	Order/Penalty	Referred Petition Filed 4/15/91 3/25/92
Centerville, City of (5)		Wastewater	Pre-treatment	Order/Penalty	Referred 10/19/92
Central Paving Corp. Indianola (3)		Underground Tank	Closure Investigation	Order/Penalty	Referred 10/19/92
Chicago, Central and Pacific R.R. Ft. Dodge (2)		Wastewater	Ming/Tyng Effluent Limits	Referred to Attorney General	Referred 9/21/92
Chicago & Northwestern Transportation Co. Blue Chip Enterprises Hawkeye Land Company Iowa Falls (2)	Updated	Hazardous Condition	Remedial Action	Order	Petition for Judicial Review Petition for Judicial Review Petition for Judicial Review Order/Change Venue to Hardin Co. Motion to Consolidate Brief Due Respondent's Brief Due Reply Oral Arguments 8/19/91 8/14/91 9/16/91 11/21/91 12/31/91 9/01/92 10/16/92 12/21/92 3/10/93
Chicago & Northwestern Transportation Co. Stanwood (6)		Air Quality	Open Burning	Referred to Attorney General	Referred 5/6/92
Cota Industries, Inc. Des Moines (5)	Updated	Hazardous Condition	Remedial Action	Order Order	Referred Petition for Judicial Review Order Granting Motion to Dismiss Notice of Appeal Affirmed by Supreme Court 4/15/91 7/23/91 8/13/91 10/21/92
Dillingham, V.R. Every (3)		Underground Tank	Closure Investigation	Order/Penalty	Referred 6/15/92
Ditta Trucking, Inc. Crescent (4)		Underground Tank	Closure Investigation	Referred to Attorney General	Referred Motion for Judgment 4/20/92 12/02/92
Dunton, Lloyd Iowa County (6)		Solid Waste	Illegal Disp.	Order/Penalty	Referred Petition Filed 12/16/91 8/26/92
Ecology Enterprises, Inc. Hollis D. DeVoe, Michael Murray, Robert Rausch Chickasaw County (1)		Solid Waste	Illegal Disposal	Referred to Attorney General	Referred 6/15/92

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Name, Location and Region Number		Program	Alleged Violation	DNR Action	New or Updated Status	Date
Ervin, Don Webster County (2)		Solid Waste	Operation Without Permit	Order/Penalty	Referred Judgment for \$1,000 Execution & Order to Levy Application to Condemn Funds Partial Payment Received (\$331)	4/16/90 7/13/90 9/28/90 11/27/90 11/30/90
			Permit Violations	Referred to Attorney General	Referred Temporary Injunction Order of Contempt Order Granting Stay Contempt Reversed (Court of Appeals) Application for Further Review	9/16/91 9/18/91 12/20/91 12/26/91 9/29/92 10/16/92
Fehr, Don Des Moines (5)		Solid Waste	Illegal Disposal	Referred to Attorney General	Referred	5/18/92
First Iowa State Bank Albia (2)		Solid Waste	Open Dumping	Order/Penalty	Petition for Judicial Review Ruling on Petition for Judicial Review Notice of Appeal State Filed Brief	4/12/91 3/02/92 3/31/92 8/03/92
Fox, Charlie Hamburg (4)	Updated	Underground Tank	Site Check	Order/Penalty	Referred Penalty Paid Petition Filed Consent Decree (2,000/Civil and Injunction)	6/15/92 11/16/92 12/17/92 12/17/92
Giese Construction Co. Ft. Dodge (2)		Solid Waste Air Quality Burning	Illegal Dis- posal; Open	Referred to Attorney General	Referred	5/29/92
Humboldt County Sanitary Landfill (2)		Solid Waste	Cover Violations; Other	Referred to Attorney General	Referred	5/29/92
IBP, Inc. Columbus Junction (6)	Updated	Wastewater	DNR Defendant	Defunct	Suit Filed Judgment for DNR Motion to Enlarge Order Denying Motion	3/17/92 10/28/92 11/06/92 12/16/92
Iowa City, City of (6)		Solid Waste	Cover Violations	Referred to Attorney General	Referred	4/20/92
Landfill of Des Moines, Inc. Des Moines #4 (5)		Solid Waste	Compliance Schedule; Other	Order/Penalty	Referred Petition Filed	12/16/91 9/01/92
Landfill of Des Moines, Inc. Des Moines #5 (5)		Solid Waste	Compliance Schedule; Other	Order/Penalty	Referred Petition Filed	5/18/92 9/01/92
Lofren, R. D. d/b/a Lofren Veterinary Services Osage (2)	Updated	Underground Tank	Closure Investigation	Order/Penalty	Referred Petition Filed	4/20/92 12/18/92
Lucas-Monroe County Sanitary Landfill (5)		Solid Waste	Other	Referred to Attorney General	Referred	5/29/92
Lytton, City of (3)	Updated	Wastewater	Pretreatment	Referred to Attorney General	Referred Petition Filed (Added to AJMPC)	5/18/92 12/28/92
Maendorn, Donald Relfe (3)		Solid Waste	Operation Without Permit	Order	Referred Petition Filed	1/21/92 8/26/92
MacMillan Oil Co., Inc.; The Graham Group, Inc. Des Moines (5)		Wastewater	Prohibited Dis- charge; Remedial Action	Referred to Attorney General	Referred	7/26/92

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Name, Location and Region Number		Program	Alleged Violation	DNR Action	New or Updated Status	Date
Martinez, Vincent d/b/a Martinez Sewer Service Development (6)	Updated	Hazardous Condition	Remedial Action	Order/Penalty	Referred Petition Filed	2/17/92 12/21/92
Bob McKinis Excavating & Grading v. IDNR		Hazardous Condition	DNR Defendant	Defense	Suit Filed DNR Motion to Dismiss Ruling on Motion to Dismiss and Reformation	3/12/91 5/01/91 3/26/92
Midway Water & Lighting Merion (1)	New	Drinking Water	Mtg/Rptg: MCL-Bacteria	Order/Penalty	Referred	12/21/92
Midwest Environmental Law Center v. EPC	Updated	Air Quality	DNR Defendant	Defense	Suit Filed Motion for Summary Judgment Summary Judgment Demand Trial Petitioner's Brief Due State's Brief Due	12/03/91 4/10/92 5/22/92 12/22/92 1/15/93 1/29/93
Monfort, Inc. Des Moines (5)		Wastewater	Prohibited Discharge	Referred to Attorney General	Referred Trial Info. Filed (Folk Co.) Pre-Trial Hearing Trial Date	12/11/89 7/19/91 7/31/92 1/ / 93
Moore, Ron d/b/a 63-180 Cafe Malcom (5)		Drinking Water	Mtg/Rptg: Nitrate; Other	Order/Penalty	Referred	11/16/92
Marquis, Craig d/b/a Seven Ponds Park Sperry (6)	New	Drinking Water	Mtg/Rptg: Bacteria & Nitrate	Order/Penalty	Referred	12/21/92
New Virginia Sanitary District (5)	Updated	Wastewater	Mtg/Rptg	Referred to Attorney General	Referred Petition Filed Consent Decree (2,400/Civil)	9/16/91 5/19/92 12/08/92
Nollen, Harold d/b/a Nollen Phillips 66 Hacien (4)		Underground Tank	Closure Investigation	Referred to Attorney General	Referred	4/20/92
Orchard, City of (2)	Updated	Drinking Water	Mtg/Rptg: MCL-Bacteria Operation Violations	Referred to Attorney General	Referred Petition Filed Consent Decree (1,500/Civil and injunction)	6/17/91 12/17/92 12/22/92
Page, Leonard Kent (4)		Underground Tank	Closure Investigation	Order/Penalty	Referred	6/15/92
Pacey, Shirley d/b/a Joe's Place Section (2)		Underground Tank	Closure Investigation	Order/Penalty	Referred	11/16/92
Pringle, Michael and Brenda d/b/a Fuller's Tap Camarache (6)		Drinking Water	Mtg/Rptg: Bacteria/Nitrate	Referred to Attorney General	Referred	6/15/92
Prins, John; Bradford Paving Bradford (2)	Updated	Underground Tank	Closure Investigation	Order	Referred Petition Filed	10/19/91 12/24/92
Raulin, Neil d/b/a Raulin Roofing & Siding Knoxville (5)	New	Air Quality	Open Burning	Order/Penalty	Referred	12/21/92
Sedler, Bernard and Ger Mer Farms, Inc. Allamakee Co. (1)	Updated	Solid Waste	Illegal Disposal	Order/Penalty	Referred Petition Filed	9/21/92 12/24/92
Schultz, Albert and Iowa Iron Works Ely (1)		Solid Waste	Open Dumping	Referred to Attorney General	Referred Suit Filed Trial Date	9/20/89 8/08/90 4/19/93

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Name, Location and Region Number	Program	Alleged Violation	DNR Action	New or Updated Status	Date
Shelley, Roberts and Sally Guthrie Center (4)	Solid Waste	Illegal Disposal	Order/Penalty	Referred Petition Filed Trial Date Ruling (\$1,000/Admin.; Clean-up Ordered) Notice of Appeal Appellant's Brief	4/15/91 7/18/91 5/19/92 8/25/92 9/17/92 11/09/92
Smith, Don Dallas Center (5)	Underground Tank	Closure Investigation/ Failure to Register	Order	Referred	10/19/92
Soo Line Railroad Co. Mason City (2)	Updated Wastewater Haz. Condition	Prohibited Discharge Remedial Action	Referred to Attorney General	Referred Petition Filed	7/15/91 12/17/92
Stark, Marion Kellerton (4)	Underground Tank	Closure Investigation	Order/Penalty	Referred	10/19/92
Starting, Vera Perry (5)	Solid Waste	Illegal Disposal	Order	Referred	11/16/92
Sun Wise Systems Corp. Sac City (3)	Wastewater	Pretreatment	Referred to Attorney General	Referred Petition Filed Trial Date	10/15/90 11/27/91 1/26/93
Tama City of (5)	Wastewater	Discharge Limitations	Referred to Attorney General	Referred	6/15/92
Tandem-Oak Park Assoc. Fort Dodge (2)	Drinking Water	Mtrg/Rptg Bacteria/Inorg. Organism/Radiat.	Order/Penalty	Referred	7/20/92
Van Hulzen, Kenneth Oskaloosa (5)	Underground Tank	Closure Investigation	Order/Penalty	Referred Motion for Judgment	6/15/92 12/02/92
Vonderhear, Leonard Holy Cross (1)	Air Quality	Open Burning	Referred to Attorney General	Referred	8/17/92
Winterst, City of (5)	Wastewater	Effluent Limits	Referred to Attorney General	Referred	7/20/92
Wunschel, Verous Ida Grove (3)	Underground Tank	Closure Investigation	Order/Penalty	Referred	2/17/92
Yates, Clifford Council Bluffs (4)	Solid Waste	Illegal Disposal	Referred to Attorney General	Referred Petition Filed	4/20/92 11/23/92
Young Radiator Co. Centerville (5)	Wastewater	Pretreatment	Order	Referred	11/15/92

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DATE RECEIVED	NAME OF CASE	ACTION APPEALED	PROGRAM	ASSIGNED TO	STATUS
1-23-86	Oelwein Soil Service	Administrative Order	WM	Landa	Hearing continued.
5-12-87	Iowa City Regency RWP	Administrative Order	WM	Hansen	Facility required to provide schedule.
1-15-88	First Iowa State Bank	Administrative Order	SU	Kennedy	Appealed to Supreme Court.
2-05-88	Warren County Brenton Bank	Administrative Order	UT	Worndon	SCR submitted - more work required.
3-01-88	Cloyd Foland	Administrative Order	FP	Clark	Supreme Court affirms dismissal of judicial review petition 12/7/92.
10-20-88	Worth Co. Co-Op Oil Northwood Cooperative Elevator Survey Refining and Marketing Co.	Administrative Order	NC	Murphy	Ruling on dismissal/intervention 11/16/92. Petition for Judicial Review.
1-25-89	Amoco Oil Co. - Des Moines 7LTY03	Administrative Order	UT	Worndon	Clean-up progressing. Review progress.
5-01-89	Amoco Oil Co. - West Des Moines	Administrative Order	UT	Worndon	Compliance initiated. Review progress.
6-08-89	Shever Road Investments	Site Registry	HW	Landa	Hearing continued. Discovery initiated.
6-08-89	Hawkeye Rubber Mfg. Co.	Site Registry	HW	Landa	Hearing continued. Discovery initiated.
6-08-89	Lehigh Portland Cement Co.	Site Registry	HW	Murphy	Hearing continued. Discovery initiated.
6-12-89	Anana	Site Registry	NC	Landa	Negotiating before filing.
6-22-89	Chicago & Northwestern Transportation Co. Hawkeye Land Co. Blue Chip Enterprises	Administrative Order	NC	Landa	Petition for judicial review of agency action.
10-24-89	Farmers Cooperative Elevator Association of Sheldon	Site Registry	NC	Landa	Negotiation proceeding.
10-26-89	Consumers Cooperative Assoc.	Site Registry	NC	Landa	Negotiation proceeding.
11-03-89	Bridgestone/Firestone, Inc.	Site Registry	NC	Murphy	Hearing continued pending negotiations.
11-20-89	FFCA/IIP	Site Registry	NC	Murphy	Considering dismissal.
12-11-89	Leo Schachtner	Permit Issuance	FP	Clark	Final decision 12/21/92.
4-23-90	Sioux City, City of	Administrative Order	WM	Hansen	Informal meeting held on 5/18/90.
5-08-90	Texaco Inc./Chempex Co. Site	Site Registry	HW	Landa	Settlement proposed.
5-14-90	Van Dusen Airport Services	Administrative Order	NC	Landa	Compliance initiated.
5-14-90	Alter Trading Corp. (Council Bluffs)	Administrative Order	SU	Kennedy	Negotiating before filing.
5-15-90	Des Moines, City of	Administrative Order	NC	Landa	Hearing continued. Settlement proposed.
6-20-90	Des Moines, City of	NPDES Permit Cond.	WM	Hansen	City response reviewed by EPS.
6-26-90	Maple Crest Hotel and Mobile Home Park	Administrative Order	US	Hansen	Negotiating settlement/letter sent 7/31/92.
7-02-90	Keokuk Savings Bank and Trust Keokuk Coal Gas Site	Site Registry	HW	Landa	Hearing continued.
7-11-90	Chicago & Northwestern Co.; Steve L. Carroll; Susan E. and Tracy A. Carroll	Administrative Order	NR	Kennedy	New orders issued 12/28/90 rescinding prior orders.
11-20-90		Administrative Order	SU	Kennedy	Settlement pending.
7-23-90	IBP, Inc. Perry	Administrative Order NPDES Permit	WM	Hansen	Final amended permit issued 8/14/92.

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DATE RECEIVED	NAME OF CASE	ACTION APPEALED	PROGRAM	ASSIGNED TO	STATUS
7-30-90	Key City Coal Gas Site; Murphy Trust & Howard Pixler	Site Registry	IM	Lunde	Decision appealed (Pixler). Motion to Intervene denied 2/17/91 (Murphy Trust)
8-01-90	J.I. Case Company	Site Registry	IM	Preziosi	Hearing set for 5/3/92.
9-10-90	IBP, Inc. Columbus Junction	Administrative Order NPDES Permit	WM	Hansen	Appealed to Polk Co. District Court. Judgment for DNR - 10/28/92.
9-12-90	Michael & Joyce Haus; George H. Gronau	Administrative Order	UT	Vernson	Awaiting UST Fund decision on eligibility.
9-20-90	Duane Schuering	Variance Denial	SM	Kennedy	Hearing continued.
10-15-90	Westside General Store Corp.	Administrative Order	UT	Vernson	Amended AO for SCB. Review - no response.
10-16-90	Merian Pruess	Claim	MC	Murphy	Hearing held 10/01/92. Briefs due 12/04/92.
11-15-90	Springwood Enterprises, Inc.	Water Use Permit	MR	Clark	Hearing continued.
12-04-90	United States Gypsum Company	Administrative Order	SM	Kennedy	Negotiating before filing.
12-21-90	Des Moines, City of	Administrative Order	UT	Vernson	Settlement proposed. Review.
12-27-90	McAtee Tire Service, Inc.	Administrative Order	SM	Kennedy	Hearing continued.
1-07-91	Joe E. Eggers, Jr.; Joe and Mary Eggers	Administrative Order	SM	Kennedy	Negotiating before filing.
1-09-91	Iowa Southern Utilities	Administrative Order	MC	Preziosi	Hearing continued to 2/09/93.
1-28-91	McDonnell Dam #1 & #2	Administrative Order	FP	Clark	Negotiating before filing.
3-08-91	ADM - Cedar Rapids	Conditional Permit	AG	Preziosi	Negotiating settlement.
3-22-91	Mitchell Bros. Beans and Gifts	Administrative Order	WM	Murphy	Negotiating before filing.
5-09-91	Oskaloosa Food Products Corp.	Administrative Order	WM	Hansen	Letter sent 9/4/92 regarding resolution of appeal.
5-14-91	Oskaloosa, City of	Administrative Order	WM	Hansen	Letter sent 9/4/92 regarding resolution of appeal.
5-20-91	Great Rivers Coop.-Leckridge	Site Registry	MC	Murphy	Settlement proposed.
7-15-91	Des Moines Independent School District - North High School	Site Registry	MC	Murphy	Hearing continued.
7-22-91	Rupp Tire	Administrative Order	UT	Vernson	Consent order drafted. Awaiting execution.
7-26-91	Alter Trading Corp. (Des Moines)	Administrative Order	SM	Kennedy	Negotiating before filing.
7-27-91	Chicago North Western; Dennis Bell; Phillips Petroleum; Amoco Oil Co.	Administrative Order	MC	Murphy	Hearing continued. Compliance initiated.
8-29-91	Iowa Southern Utilities	Certificate to Construct AO	AG	Preziosi	Utility Board hearing held 12/16/92. Awaiting ALJ decision.
9-04-91	Duane Arnold Energy Center	Permit Condition	WM	Hansen	Information received 3/16/92; under review by EPD.
9-25-91	Archer Daniels Midland	Administrative Order	SM	Kennedy	Negotiating before filing.
9-27-91	Battle Creek, City of	Administrative Order	MS	Hansen	US section approved site for new wells 10/1/92.
10-02-91	IBP, Inc. - Storm Lake	Permit Conditions	WM	Hansen	Negotiating before filing.
10-30-91	West Liberty, City of	Permit Conditions	WM	Hansen	Negotiating before filing; under review by EPD.

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DATE RECEIVED	NAME OF CASE	ACTION APPEALED	PROGRAM	ASSIGNED TO	STATUS
12-05-91	State Central Bank	Administrative Order	UT	Wornson	Closure complete - need report. Review.
12-05-91	Tower Club	Administrative Order	US	Hansen	Report submitted to EPA/under review by US.
12-31-91	Linden Water Supply	Administrative Order	US	Hansen	Dept. letter to City attorney - 11/25/92 regarding failure to submit permit application.
1-07-92	Viola, City of	Administrative Order	US	Hansen	Preliminary engineering report reviewed by US. Schedule requested by US.
1-17-92	Hickory Hollow Water Co.	Administrative Order	US	Hansen	Ltr. received 7/28/92 regarding compliance.
1-21-92	Dell Oil, Ltd.	Administrative Order	NC	Wornson	Briefing scheduled for February EPC submission.
1-30-92	Center Oil Co., Inc.	Administrative Order	NC	Murphy	Negotiating before filing.
2-25-92	Merstrom Oil Co.	Administrative Order	NC	Murphy	Negotiating before filing.
2-28-92	William H. Viner	Administrative Order	UT	Wornson	Consent order being drafted.
3-12-92	Farmers Cooperative Elevator - Kartelle	Administrative Order	NC	Murphy	Negotiating before filing.
3-23-92	Partners-Four Investments-Rockwell	Administrative Order	UT	Wornson	Penalty settlement accepted/awaiting payment.
3-23-92	Partners-Four Investments-Merble Rock	Administrative Order	UT	Wornson	Penalty settlement accepted/awaiting payment.
3-30-92	White Consolidated Industries	Administrative Order	WV	Hansen	Negotiating before filing.
4-03-92	Charles P. Schefer; Stringtown Properties; First Community National Bank	Administrative Order	UT	Wornson	Hearing set for 3/12/93. 1/12/93 deadline for petitions.
4-06-92	Community Cooperative Oil Co. - Marcus	Administrative Order	UT	Wornson	Penalty settlement accepted/awaiting payment.
4-07-92	Humboldt Co. Sanitary Landfill	Administrative Order	SW	Kennedy	Hearing continued to 12/17/92.
4-09-92	Wayne Transporte, Inc.	Administrative Order	WV	Murphy	Negotiating before filing.
4-13-92	Stringtown Country Cafe	Administrative Order	US	Hansen	Emergency AD issued supplementing 2nd Emergency AD
4-14-92	Clement Auto & Truck, Inc.	Administrative Order	UT	Wornson	Hearing set for 2/16/93. Petition due 1/11/93.
4-15-92	Mulgraw Oil Co.	Administrative Order	NC	Murphy	Negotiating before filing.
4-16-92	Sweledale, City of	Administrative Order	US	Hansen	City report submitted 10/23/92.
4-17-92	John H. Staub d/b/a Mr. Convenient	Administrative Order	UT	Wornson	Hearing postponed. Review for UST fund approval.
4-24-92	Charles A. Kerr	Administrative Order	UT	Wornson	Financial inability claimed. Requesting document.
4-30-92	Poweshiek Water Assoc.	Administrative Order	US	Hansen	Negotiating before filing.
5-05-92	Lincoln Farm & Home Service	Administrative Order	WV	Murphy	Negotiating before filing.
5-05-92	Plymouth Cooperative Oil Co.	Administrative Order	WV	Murphy	Negotiating before filing.
5-12-92	Paris & Sons, Inc.	Site Registry	NC	Murphy	Negotiating before filing.
5-15-92	Heertland Lysine, Inc.	Var Certification	AG	Preziosi	Negotiating before filing.
5-27-92	Beckett Chevrolet-Olds	Administrative Order	UT	Wornson	Financial inability claimed. Request documents.
6-05-92	Wilson Foods	Permit Denial	AG	Preziosi	Negotiating before filing.

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DATE RECEIVED	NAME OF CASE	ACTION APPEALED	PROGRAM	ASSIGNED TO	STATUS
6-10-92	Marjorie Jarvis	Administrative Order	UT	Wornson	Hearing postponed. Petition due 2/16/93.
6-15-92	Country Estates NHP	Administrative Order	MS	Clark	Negotiating before filing.
6-23-92	Chickasaw County Board of Supervisors, Chickasaw Co. SLF	Administrative Order	SW	Kennedy	Negotiating before filing.
6-24-92	Karl Ludwig; Jena, Inc.; Nole Oil Co.; TFW Co.	Administrative Order	UT	Wornson	Motion to join. Hearing set for 1/7/93. Hearing set for 1/19/93.
6-26-92	Waste Systems Corp. and Robert Roth d/b/a Winnebago County Sanitary Landfill	Administrative Order	SW	Kennedy	Negotiating before filing.
7-01-92	Richard A. Newman	Administrative Order	SW	Kennedy	Negotiating before filing.
7-01-92	Des Moines Independent School District-North High	Administrative Order	WJ	Murphy	Negotiating before filing.
7-15-92	Gerks Seasonal NHP and Resort	Administrative Order	MS	Hansen	Info. received/facility to be reclassified.
7-17-92	PAN Fuels, Inc.	Administrative Order	UT	Wornson	Penalty paid. Settled.
7-26-92	LeVerne Rehder	Administrative Order	UT	Wornson	Compliance with closure; negotiating penalty.
8-06-92	Randy Bonin and Vickie Brannick	Administrative Order	SW	Kennedy	Negotiating before filing.
8-13-92	Iowa County Sanitary Landfill	Administrative Order	SW	Kennedy	Negotiating before filing.
8-13-92	Iowa Conference of the United Church of Christ	Administrative Order	FP	Clark	Negotiating before filing.
8-24-92	Dean Hoennes d/b/a Hoennes & Sons	Administrative Order	UT	Wornson	Financial inability claimed. Request documents.
8-27-92	Decatur City, City of	Administrative Order	UT	Wornson	Negotiating before filing - follow-up.
8-31-92	Leisure Lake Inn	Administrative Order	MS	Hansen	Settled.
8-31-92	Cedar Valley Corp.	Administrative Order	AO	Preziosi	Negotiating before filing.
9-02-92	South High Point Well Assn. #1	Administrative Order	MS	Hansen	Hearing set for 2/25/93.
9-03-92	Case Power and Equipment	Administrative Order	MS	Hansen	Letter from Case's attorney dated 10/16/92. DNR response - 10/22/92.
9-14-92	Lisbon, City of	Administrative Order	MS	Clark	Settled.
9-21-92	Buffalo Bill Estates, Inc.	Administrative Order	MS	Clark	Negotiating before filing.
9-21-92	ITWC	Administrative Order	AO	Preziosi	Negotiating before filing.
9-22-92	King's Terrace NHP	Administrative Order	WJ	Murphy	Negotiating before filing.
9-28-92	Don Ferkel	Administrative Order	AO	Preziosi	Settlement close.
10-06-92	Lloyd Decker	Administrative Order	SW	Kennedy	Negotiating before filing.
10-07-92	E. Kent and Joan Cooper	Administrative Order	UT	Wornson	Hearing postponed. Motion to join.
10-12-92	Stow City Brick & Tile Co.	Administrative Order	WJ	Hansen	Settlement offer by company to DNR 12/92.
10-12-92	Eldon Krambeck	Administrative Order	AO	Preziosi	Negotiating before filing.

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DATE RECEIVED	NAME OF CASE	ACTION APPEALED	PROGRAM	ASSIGNED TO	STATUS
10-16-92	Country Mobile Home Court	Administrative Order	WS	Hansen	Application for construction permit approved. Settlement offer made 11/25/92. 12/28/92 DNR letter to attorney for WS.
10-16-92	Sam Jungling d/b/a Jungling Service	Administrative Order	UT	Horsman	Confirming compliance.
10-16-92	Ames, City of; Cy-Ride	Permit Denial	AS	Preziosi	Negotiating before filing.
10-28-92	Albert Rohrer, Jr.	Administrative Order	SW	Kennedy	Negotiating before filing.
11-05-92	DeWayne McCoy d/b/a DeWayne's Auto Sales	Administrative Order	UT	Horsman	Compliance with tank removed. Reviewing financial documents/penalty reduction.
11-13-92	Waucoma, City of	Administrative Order	WS	Clark	Settled.
11-13-92	Cargill Incorporated d/b/a Walnut Grove Products	Administrative Order	WM	Murphy	Settlement close.
11-13-92	Tracy Below	Administrative Order	WM	Murphy	Sent to DIA.
11-16-92	Grand Laboratories Inc.	Administrative Order	WM	Hansen	Negotiating before filing.
11-16-92	Frank Hultizer	Administrative Order	SW	Kennedy	Negotiating before filing.
11-23-92	Cargill, Inc.	Administrative Order	SW/WM	Kennedy	Informal meeting 12/4/92.
12-11-92	Pete's Carwash	NPDES Permit Denial	WM	Hansen	New case. Resolved.
12-14-92	Hidden Acres	Administrative Order	WS	Clark	New case. Settled.
12-14-92	Quantum	Permit Conditions	WM	Hansen	Informal meeting - 1/93.
12-14-92	Gary Lalor	Administrative Order	AS/SW	Kennedy	New case.
12-15-92	ISP, Inc.	SMA Denial	SW	Kennedy	New case.
12-17-92	Gantz Enterprises	Administrative Order	AS	Preziosi	New case. Settlement close.

Mr. Stokes stated that the Administrative Rules Review Committee had questioned two provisions in the Well Drillers Certification rules. Those provisions dealt with minimum education requirements and the delay of the effective date for that requirement until 1998. This issue was discussed with the legislatively created advisory panel that had worked with the department in development of those rules, and they recommended not changing the requirements and to move the rules forward. The Commission concurred with the advisory panel's recommendations. The rules then went back to the Administrative Rules Review Committee who filed objections to three key provisions of the rules, put them on 70 day delay, and referred those portions of the rules to a standing committee of the general assembly. Mr. Stokes noted that the three areas objected to are the minimum education requirements, the specification of different classes of well drillers, and some of the definitions contained in the rule. Mr. Stokes stated that it is probably a good idea to get the rules before a legislative committee to find out their intentions.

A lengthy discussion followed regarding various cases listed in the reports.

Charlotte Mohr asked how much money is spent by the Attorney General's Office on E-Team cases.

Mike Murphy stated that staff can provide those figures next month. He added that the Attorney General's Office is receiving restitution in many cases.

INFORMATIONAL ONLY

NOTICE OF INTENDED ACTION--CHAPTER 61, STREAM USE DESIGNATIONS - PHASE V

Allan Stokes, Division Administrator, Environmental Protection Division, presented the following item.

The Commission is requested to approve the attached Notice of Intended Action for Round V of proposed stream use designations. This set of use designations represents the Department's continued assessment activities to determine and assign the appropriate use designation to individual streams, lakes, and wetlands. Included in Round V are:

- 1) Stream previously designated as B(warm water) which are proposed to be designated as B(significant resource warm water).
- 2) Streams previously designated as B(warm water) which are proposed to be designated as B(limited resource warm water).
- 3) Streams previously designated as General Classified water proposed to be designated as B(limited resource warm water).

Five public hearings are scheduled to receive comments on the proposed use designations.

To aid in review of the proposed stream use designations, footnotes have been added to each stream segment in the agenda copy of the Notice of Intended Action which provides further information on the change in use designation. The footnotes address one of four types of changes being proposed.

A - The stream was previously undesignated (General use) along the entire stream.

B - The stream was previously undesignated (general use) along a major portion of the stream, with only a minor portion previously designated B(warm water).

C - The stream was previously designated as B(warm water) along a major portion of the stream, with only a minor portion undesignated (General use).

D - The stream was previously designated as B(warm water) along the entire stream length.

**ENVIRONMENTAL PROTECTION COMMISSION [567]
Notice of Intended Action**

Pursuant to the authority of Iowa Code sections 455B.105 and 455B.173, the Environmental Protection Commission for the Department of Natural Resources gives Notice of Intended Action to amend Chapter 61, "Water Quality Standards," Iowa Administrative Code.

The proposed amendments establish designated uses for various water bodies for the purpose of applying existing surface water quality criteria, and revise the publication date on a rule referenced document, "Iowa Water Quality Standards: Protected Flows For Selected Stream Segments."

Numerical water quality standards must normally be met when the flow of the receiving stream equals or exceeds the seven-day, ten year low flow. However, subrule 61.2(5) allows that under certain conditions the seven-day, ten year low flow may be waived and a numerically higher value may be established. Minimum flows established under this waiver provision are published in the document "Iowa Water Quality Standards: Protected Flows For Selected Stream Segments." Minimum flow values have been determined for an additional 126 stream segments throughout Iowa and have been added to this rule referenced document. Item 1 in this Notice amends the publication date of this document. This document will be revised and updated as the need arises. A copy of the document is on file with the Iowa Administrative Rules Coordinator.

The amendments proposed in Item 2 add designated uses for numerous stream segments. The amendments represent the fifth round of a multiyear effort to establish stream use designations in accordance with the aquatic use protection classifications adopted by the Commission in May, 1990 and currently found in subrule 61.3(1). The 237 stream segments listed under Item 2 generally represent water bodies which are currently considered general use waters but are proposed to be designated as either Class B(LR) Limited Resource warm waters or Class B(WW) Significant Resource warm waters.

Any person may submit written suggestions or comments on the proposed rule changes through March 20, 1993. Such written material should be submitted to Ralph Turkle, Iowa Department of natural Resources, Wallace State Office Building, 900 East Grand, Des Moines, Iowa 50319-0034, or FAX # (515)281-8895. Persons who have questions may contact Ralph Turkle at (515)281-7025. Persons are also invited to present oral or written comments at public hearings which will be held on:

March 9, 1993

- a) at 10:30 am, in the City of Denison Community Room, 111 N. Main, Denison,
- b) at 7:00 pm, in the Algona Public Library, Rrom A, 210 N. Phillips, Algona,

March 10, 1993

- a) at 10:30 am, in the City of Independence Council Chambers. 313 1st St. East, Independence,
- b) at 1:00 pm, in the Henry Wallace Building, 5th floor conference room (West1/?), 900 East Grand, Des Moines,
- c) at 7:00 pm, in the City of Decorah Council Chambers, 400 Claiborne Dr., Decorah.

These rules may have an impact upon small businesses.

Copies of these proposed rules may be obtained from Sarah Detmer, Records Center, Iowa Department of Natural Resources, Wallace State Office Building, 900 East Grand, Des Moines, Iowa 50319-0034.

These rules are intended to implement Iowa Code chapter 455B, division III, part I.

ITEM 1. Amend subrule 61.2(5), first unnumbered paragraph to reflect the revised date for the rule referenced document as follows: The minimum flows, commonly termed protected flows, are presented in "Iowa Water Quality Standards: Protected Flows For Selected Stream Segments", dated ~~February 25, 1992~~ February 1, 1993. A copy of this document is available upon request from the department. A copy is also on file with the Iowa Administrative Rules Coordinator.

ITEM 2. Insert the following into subrule 61.3(5)"e" in its natural sequence or hydrological order:

Iowa Water Quality Standards
Water Use Designations

EPC DRAFT 1/12/93 RT

a.

WESTERN IOWA RIVER BASINS

Western Iowa River Basins (Missouri, Big Sioux, and Little Sioux Rivers)

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations for Western Iowa River Basins. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Ashton Cr. - 20	Gray Cr. - 24	Prairie Cr. - 31
Bacon Cr. - 18	Henry Cr. - 26	Rock Cr. - 22
Battle Cr. - 11	Jordan Cr. - 7	Silver Cr. - 13
Beaver Cr. - 9	Keg Cr. - 1	Silver Cr. - 23
Big Cr. - 17	Little Maple R. - 14	Soldier R. - 6
Brooke Cr. - 27	Maple Cr. - 15	Willow Cr. - 21
East Boyer R. - 4	Montgomery Cr. - 30	Willow Cr. - 25
East Soldier R. - 8	Mud Cr. - 16	Willow Cr. - 29
Elk Cr. - 12	Otter Cr. - 5	Willow Cr. - 3
Fox Run - 28	Pierson Cr. - 19	Wolf Cr. - 10
	Pigeon Cr. - 2	

	Water Uses					
	A	B(W)	B(LR)	B(LV)	B(CW)	C
<u>Missouri R. tributaries</u>						
<u>Keg Cr.</u>						
1. Mouth (S6, T71N, R43W, Mills Co.) to confluence with an unnamed tributary (S1/2, S35, T78N, R41W, Harrison Co.)			X			
<u>Pigeon Cr.</u>						
2. Mouth (S3, T75N, R44W, Pottawattamie Co.) to confluence with North Pigeon Cr. (S5, T76, R43W, Pottawattamie Co.)			X			
<u>Beaver R. tributaries</u>						
<u>Willow Cr.</u>						
3. Mouth (S28, T78N, R44W, Harrison Co.) to confluence South Willow Cr. (S27, T82N, R42W, Monona Co.)			X			
<u>East Boyer R.</u>						
4. Mouth (S10, T83N, R39W, Crawford Co.) to confluence with an unnamed tributary (N1/4, S15, T84N, R37W, Crawford Co.)			X			
<u>Otter Cr.</u>						
5. Mouth (S18, T84N, R38W, Crawford Co.) to confluence with East Otter Cr. (N1/4, S17, T85N, R39W, Crawford Co.)			X			

- A - Stream was previously undesignated (general) along entire stream length.
 B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).
 C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).
 D - Stream was previously designated Class B(warm) along entire stream length.

		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
								HQR
	<u>Soldier R.</u>							
6.	Confluence with East Soldier River (S34, T84N, R42W, Monona Co.) to confluence with Little Soldier Cr. (S24, T86N, R40W, Ida Co.) A			X				
	<u>Jordan Cr.</u>							
7.	Mouth (S16, T82N, R43W, Monona Co.) to confluence with an unnamed tributary (SE 1/4, NE1/4, S10, T83N, R43W, Monona Co.) A			X				
	<u>East Soldier R.</u>							
8.	Mouth (S34, T84N, R42W, Monona Co.) to confluence with Emigrant Cr. (S23, T84N, R41W, Crawford Co.) A			X				
	<u>Beaver Cr.</u>							
9.	Mouth (S1, T85N, R41W, Crawford Co.) to confluence with an unnamed tributary (NW 1/4, S9, T85N, R40W, Crawford Co.) A			X				
	<u>Little Sioux River basin tributary</u>							
	<u>Wolf Cr.</u>							
10.	Mouth (S12, T84N, R45W, Monona Co.) to confluence with East Fork Wolf Cr. (S30, T87N, R43W, Woodbury Co.) C			X				
	<u>Maple R. tributaries</u>							
	<u>Battle Cr.</u>							
11.	Mouth (S26, T87N, R41W, Ida Co.) to confluence with an unnamed tributary (SW 1/4, S24, T88N, R41W, Ida Co.) C			X				
	<u>Elk Cr.</u>							
12.	Mouth (S1, T87N, R40W, Ida Co.) to confluence with an unnamed tributary (W 1/2, S36, T88N, R39W, Ida Co.) A			X				
	<u>Silver Cr.</u>							
13.	Mouth (S13, T88N, R39W, Ida Co.) to confluence with South Silver Cr. (S16, T88N, R39W, Ida Co.) A			X				
	<u>Little Maple R.</u>							
14.	Mouth (SW 1/4, S34, T90N, R39W, Cherokee Co.) to confluence with an unnamed tributary (NE 1/4, S20, T90N, R38W, Buena Vista Co.) D			X				
	<u>Maple Cr.</u>							
15.	Mouth (S5, T91N, R39W, Cherokee Co.) to confluence with an unnamed tributary (W 1/2, S1, T91N, R39W, Cherokee Co.) A			X				

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

D - Stream was previously designated Class B(warm) along entire stream length.

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		Water Uses					
		A	B(W)	B(LR)	B(LV)	B(CV)	C HQ HQR
<u>West Fork Little Sioux River tributary</u>							
<u>Mud Cr.</u>							
16.	Mouth (S31, T89N, R44W, Woodbury Co.) to confluence with an unnamed tributary (S6, T89N, R44W, Woodbury Co.) A			X			
<u>Little Sioux River tributaries</u>							
<u>Big Cr.</u>							
17.	Mouth (S4, T87N, R43W, Woodbury Co.) to confluence with Coon Cr. (S35, T88N, R43W, Woodbury Co.) A			X			
<u>Bacon Cr.</u>							
18.	Mouth (S1, T88N, R43W, Woodbury Co.) to confluence with an unnamed tributary (S2, T88N, R42W, Woodbury Co.) A			X			
<u>Pierson Cr.</u>							
19.	Mouth (S34, T89N, R42W, Woodbury Co.) to confluence with an unnamed tributary (N 1/2, S20, T89N, R42W, Woodbury Co.) A			X			
<u>Ashton Cr.</u>							
20.	Mouth (S7, T89N, R41W, Ida Co.) to confluence with an unnamed tributary (S3, T89N, R41W, Ida Co.) A			X			
<u>Willow Cr.</u>							
21.	Mouth (S30, T90N, R41W, Cherokee Co.) to confluence with an unnamed tributary (N 1/2, S31, T91N, R41W, Cherokee Co.) C			X			
<u>Rock Cr.</u>							
22.	Mouth (S10, T90N, R41W, Cherokee Co.) to confluence with an unnamed tributary (SE 1/4, S21, T91N, R41W, Cherokee Co.) C			X			
<u>Silver Cr.</u>							
23.	Mouth (S32, T91N, R40W, Cherokee Co.) to confluence with an unnamed tributary (N 1/2, S22, T90N, R40W, Cherokee Co.) A			X			
<u>Hill Cr. tributary</u>							
<u>Gray Cr.</u>							
24.	Mouth (S10, T92N, R40W, Cherokee Co.) to confluence with an unnamed tributary (NE 1/4, S22, T93N, R40W, Cherokee Co.) D			X			
<u>Willow Cr.</u>							
25.	Mouth (SW 1/4, S1, T93N, R41W, Cherokee Co.) to confluence with Nelson Cr. (S25, T94N, R41W, O'Brien Co.) A			X			

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

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		Water Uses							
		A	B(W)	B(LR)	B(LV)	B(CV)	C	HQ	HQR
<u>Henry Cr.</u>									
26.	Mouth (S24, T94N, R39W, O'Brien Co.) to confluence with an unnamed tributary (S24, T94N, R39W, O'Brien Co.) A			X					
<u>Brooke Cr.</u>									
27.	Mouth (SW 1/4, S11, T93N, R38W, Buena Vista Co.) to confluence with an unnamed tributary (Center of S 1/2, S24, T92N, R38W, Buena Vista Co.) C			X					
<u>Fox Run</u>									
28.	Mouth (SW 1/4, S12, T93N, R38W, Buena Vista Co.) to confluence with an unnamed tributary (NE 1/4, S19, T93N, R37W, Buena Vista Co.) C			X					
<u>Willow Cr.</u>									
29.	Mouth (S17, T94N, R36W, Clay Co.) to confluence with an unnamed tributary (NW 1/4, S31, T95N, R37W, Clay Co.) A			X					
<u>Montgomery Cr.</u>									
30.	Mouth (S3, T94N, R36W, Clay Co.) to confluence with an unnamed tributary (SE 1/4, S11, T94N, R36W, Clay Co.) A			X					
<u>Prairie Cr.</u>									
31.	Mouth (S26, T96N, R36W, Clay Co.) to confluence with an unnamed tributary (S33, T96N, R36W, Clay Co.) A			X					

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

D - Stream was previously designated Class B(warm) along entire stream length.

Iowa Water Quality Standards
Water Use Designations

SOUTHERN IOWA RIVER BASINS

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations for Southern Iowa River Basins. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Carter Cr. - 2 Mud Cr. - 6 Silver Cr. - 30
Middle Silver Cr. - 5 North Fabious R. - 25 South Wyaconda R. - 1

		Water Uses						
		A	B(W)	B(LR)	B(LV)	B(CV)	C	HQ
<u>South Wyaconda R.</u>								
1.	Iowa-Missouri state line to confluence with an unnamed tributary (NE 1/4, S19, T68N, R13W, Davis Co.) A			X				
<u>Carter Cr.</u>								
2.	Iowa-Missouri state line to confluence with an unnamed tributary (NW 1/4, S28, T68N, R14W, Davis Co.) A			X				
<u>North Fabious R.</u>								
3.	Iowa-Missouri state line to confluence with an unnamed tributary (Center, S33, T68N, R15W, Davis Co.) A			X				
<u>West Nishnabotna R. tributary</u>								
<u>Silver Cr.</u>								
4.	Mouth (S26, T71N, R41W, Mills Co.) to confluence with Little Silver Cr. (S34, T78N, R40W, Shelby Co.) B			X				
<u>Middle Silver Cr.</u>								
5.	Mouth (S31, T74N, R41W, Pottawattamie Co.) to confluence with Little Silver Cr. (S12, T74N, R42W, Pottawattamie Co.) A			X				
<u>Mud Cr.</u>								
6.	Mouth (S31, T73N, R40W, Mills Co.) to confluence with an unnamed tributary (NW 1/4, S14, T73N, R41W, Mills Co.) A			X				

- A - Stream was previously undesignated (general) along entire stream length.
B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).
C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).
D - Stream was previously designated Class B(warm) along entire stream length.

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DES MOINES RIVER BASIN

Des Moines River Basin (Lower Des Moines River, Upper Des Moines River, East Fork Des Moines River, Blue Earth River, and Raccoon River Subbasins).

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations the Des Moines River Basin. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Bay Branch - 20	Fork Des Moines R. - 64	Pilot Cr. - 54
Bear Cr. - 18	Greenbier Cr. - 25	Plum Cr. - 67
Bear Cr. - 50	Hardin Cr. - 30	Prairie Cr. - 53
Beaver Cr. - 43	Howerdon Cr. - 15	Prairie Cr. - 56
Beaver Cr. - 55	Indian Cr. - 41	Prairie Cr. - 63
Big Cr. - 48	Jack Cr. - 59	Purgatory Cr. - 35
Black Cat Cr. - 66	Lake Cr. - 38, 39	Skillet Cr. - 52
Blue Earth R. - 74	Lick Cr. - 1	Silver Cr. - 58
Bluff Cr. - 51	Lindsey Cr. - 68	Slough Cr. - 47
Buck Cr. - 61	Little Beaver Cr. - 44	Snake Cr. - 24
Buck Run - 42	Little Beaver Cr. - 46	Soldier Cr. - 73
Buffalo Cr. - 69	Lotts Cr. - 65	South Avery Cr. - 2
Buttrick Cr. - 27	Marrowbone Cr. - 36	South Fork Middle R. - 13
Cedar Cr. - 14	Middle Avery Cr. - 3	South R. - 7
Cedar Cr. - 32, 33	Middle Beaver Cr. - 45	Swan Lake Branch - 23
Cedar Cr. - 5	Middle R. - 9, 10	Union Slough - 70
Clanton Cr. - 11	Mosquito Cr. - 19	Union Slough - 76
Cylinder Cr. - 57	Mud Cr. - 72	Unnamed Cr. - 31
Dead Brier Cr. - 26	North Avery Cr. - 4	Welty Cr. - 12
Deer Cr. - 21	North Buffalo Cr. - 71	West Buttrick Cr. - 29
Eagle Cr. - 62	North Cedar Cr. - 6	West Fork Blue Earth R. - 75
East Buttrick Cr. - 28	North Raccoon River - 22	West Panther Cr. - 17
East Cedar Cr. - 34	Otter Cr. - 8	White Fox Cr. - 60
Elk Run - 37	Panther Cr. - 16	Wolf Cr. - 49

LOWER DES MOINES RIVER SUBBASIN

Des Moines R. tributaries

Lick Cr.

- Mouth (S19, T67N, R7W, Lee Co.) to confluence with an unnamed tributary (S32, T68N, R7W, Lee Co.) A

South Avery Cr.

- Mouth (S31, T73N, R14W, Wapello Co.) to confluence with an unnamed tributary (NE 1/4, S15, T72N, R15W, Wapello Co.) D

A	Water uses						
	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ	HQR
		X					
		X					

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

D - Stream was previously designated Class B(warm) along entire stream length.

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
<u>Middle Avery Cr.</u>								
3.	Mouth (S25, T73N, R15W, Wapello Co.) to confluence with White Ash and Little Avery Crs. (V line, S12, T72N, R16W, Monroe Co.) A			X				
<u>North Avery Cr.</u>								
4.	Mouth (S34, T73N, R15W, Wapello Co.) to confluence with an unnamed tributary (Center, S34, T73N, R16W, Monroe Co.) A			X				
<u>Cedar Cr.</u>								
5.	Mouth (S33, T75N, R17W, Mahaska Co.) to confluence with North Cedar Cr. (NE 1/4, S15, T74N, R18W, Marion Co.) D		X					
<u>North Cedar Cr.</u>								
6.	Mouth (S15, T74N, R18W, Marion Co.) to confluence with Sage Cr. (SE 1/4, S7, T73N, R19W, Monroe Co.) C			X				
<u>South R.</u>								
7.	Mouth (S12, T77N, R22W, Warren Co.) to confluence with Painter Cr. (SE 1/4, S13, T75N, R25W, Warren Co.) D			X				
<u>Otter Cr.</u>								
8.	Mouth (S34, T76N, R23W, Warren Co.) to confluence with Otter Cr. and South Otter Cr. (NW 1/4, S8, T73N, R23W, Lucas Co.) C			X				
<u>Middle R.</u>								
9.	Confluence with Flecher Branch (Madison Co.) to confluence with Bush Branch (S8, T75N, R29W, Madison Co.) D		X					
10.	Confluence with Bush Branch (S8, T75N, R29W, Madison Co.) to confluence with an unnamed tributary (NE 1/4, S17, T78N, R32W, Guthrie Co.) C			X				
<u>Clanton Cr.</u>								
11.	Mouth (N 1/2, S28, T76N, R25W, Warren Co.) to confluence with North & South Fork Clanton Cr. D			X				
<u>Welty Cr.</u>								
12.	Mouth (S14, T75N, R29W, Madison Co.) to confluence with Rocky Branch (SE 1/4, S22, T75N, R29W, Madison Co.) A			X				
<u>South Fork Middle R.</u>								
13.	Mouth (S35, T78N, R32W, Guthrie Co.) to confluence with an unnamed tributary (S33, T78N, R32W, Guthrie Co.) A			X				

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

D - Stream was previously designated Class B(warm) along entire stream length.

E93Jan-49

		Water Uses						
	A	B(W)	B(LR)	B(LV)	B(CW)	C	HQ	HQR
<u>North River tributaries</u>								
<u>Cedar Cr.</u>								
14. Mouth (S9, T76N, R26W, Madison Co.) to confluence with an unnamed tributary (NW 1/4, S26, T76N, R26W, Madison Co.) A			X					
<u>Howerton Cr.</u>								
15. Mouth (S17, T76N, R26W, Madison Co.) to confluence with an unnamed tributary (SW 1/4, S25, T76N, R29W, Madison Co.) A			X					
UPPER DES MOINES RIVER SUBBASIN								
RACCOON RIVER SUBBASIN								
<u>South Raccoon River tributaries</u>								
<u>Panther Cr.</u>								
16. Mouth (S16, T78N, R26W, Dallas Co.) to confluence with West & East Panther Cr. (S16, T79N, R26W, Dallas Co.) D			X					
<u>West Panther Cr.</u>								
17. Mouth (S16, T79N, R26W, Dallas Co.) to confluence with an unnamed tributary (NW 1/4, S9, T79N, R26W, Dallas Co.) A			X					
<u>Bear Cr.</u>								
18. Mouth (S17, T78N, R26W, Dallas Co.) to confluence with an unnamed tributary (SW 1/4, S25, T78N, R29W, Dallas Co.) A			X					
<u>Middle Raccoon River tributaries</u>								
<u>Mosquito Cr.</u>								
19. Mouth (S34, T79N, R29W, Dallas Co.) to confluence with an unnamed tributary (S21, T81N, R30W, Guthrie Co.) C			X					
<u>Bay Branch</u>								
20. Mouth (S9, T79N, R30W, Guthrie Co.) to dam at Bay Branch Marsh (NW 1/4, S27, T80N, R30W, Guthrie Co.) A			X					
<u>South Raccoon River tributary</u>								
<u>Deer Cr.</u>								
21. Mouth (S15, T78N, R30W, Guthrie Co.) to confluence with an unnamed tributary (NE1/4, NE1/4, S19, T78N, R30W, Guthrie Co.) A			X					

A - Stream was previously undesignated (general) along entire stream length.

B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).

C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

D - Stream was previously designated Class B(warm) along entire stream length.

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		Water Uses					C	HQ	HQR
		A	B(W)	B(LR)	B(LW)	B(CW)			
<u>North Raccoon River</u>									
22.	Sac Co. Road M54 (S24, T88N, R36W, Sac Co.) to confluence with D.D. 101 (S36, T91N, R36W, Buena Vista Co.)		X						
D									
<u>Swan Lake Branch</u>									
23.	Mouth (S28, T81N, R28W, Dallas Co.) to west line S4, T80N, R28W, Dallas Co.			X					
A									
<u>Snake Cr.</u>									
24.	Mouth (S2, T81N, R29W, Dallas Co.) to north line S26, T82N, R29W, Greene Co.			X					
A									
<u>Greenbrier Cr.</u>									
25.	Mouth (S5, T81N, R29W, Dallas Co.) to west line S13, T82N, R31W, Greene Co.			X					
A									
<u>Dead Brier Cr.</u>									
26.	Mouth (S36, T82N, R30W, Greene Co.) to confluence with an unnamed tributary (NE1/4, S26, T82N, R30W, Greene Co.)			X					
A									
<u>Buttrick Cr.</u>									
27.	Mouth (S26, T83N, R30W, Greene Co.) to confluence with East & West Buttrick Cr. (SE 1/4, S25, T84N, R30W, Greene Co.)			X					
D									
<u>East Buttrick Cr.</u>									
28.	Mouth (S25, T84N, R30W, Greene Co.) to confluence with Lost Grove Cr. (SW 1/4, S4, T85N, R29W, Greene Co.)			X					
B									
<u>West Buttrick Cr.</u>									
29.	Mouth (S25, T84N, R30W, Greene Co.) to confluence with Ditch No. 52 (SE 1/4, S16, T86N, R30W, Webster Co.)			X					
B									
<u>Hardin Cr.</u>									
30.	Mouth (S23, T83N, R30W, Greene Co.) to confluence with Happy Run (SW 1/4, S22, T85N, R31W, Greene Co.)			X					
D									
<u>Unnamed Cr.</u>									
31.	Mouth (S18, T84N, R32W, Greene Co.) to confluence with an unnamed tributary (NE 1/4, S19, T84N, R32W, Greene Co.)			X					
A									
<u>Cedar Cr.</u>									
32.	Mouth (S33, T85N, R32W, Greene Co.) to confluence with an unnamed tributary (NW 1/4, S15, T85N, R32W, Greene Co.)		X						
D									

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		Water Uses							
		A	B(W)	B(LR)	B(LV)	B(CW)	C	HQ	HQR
33.	Confluence with an unnamed tributary (NW 1/4, S15, T85N, R32W, Greene Co.) to confluence with East & West Cedar Crs. (S31, T87N, R31W, Calhoun Co.) D			X					
<u>East Cedar Cr.</u>									
34.	Mouth (South Line, S31, T87N, R31W, Calhoun Co.) to confluence with Welsh's Slough (Center, S3, T87N, R31W, Calhoun Co.) C			X					
<u>Purgatory Cr.</u>									
35.	Mouth (S11, T84N, R33W, Carroll Co.) to confluence with an unnamed tributary (NE 1/4, S17, T86N, R32W, Calhoun Co.) C			X					
<u>Marrowbone Cr.</u>									
36.	Mouth (S17, T85N, R33W, Carroll Co.) to confluence with an unnamed tributary (NW1/4, S17, T85N, R33W, Carroll Co.) A			X					
<u>Elk Run</u>									
37.	Mouth (S7, T85N, R33W, Carroll Co.) to confluence with D.D. No. 72 & 81 (S5, T85N, R34W, Carroll Co.) A			X					
<u>Lake Cr.</u>									
38.	Mouth (S23, T86N, R34W, Calhoun Co.) to East line S12, T86N, R34W, Calhoun Co. D		X						
39.	East line S12, T86N, R34W, Calhoun Co. to confluence with Ditch Nos. 65, and 9 & 13 (S29, T88N, R32W, Calhoun Co.) C			X					
<u>Ditch No. 9 & 13</u>									
40.	Mouth (confluence with Ditch No. 65 in S29, T88N, R32W, Calhoun Co.) to the confluence with an unnamed tributary (SE 1/4, S8, T89N, R32W, Calhoun Co.) A			X					
<u>Indian Cr.</u>									
41.	Mouth (S24, T87N, R36W, Sac Co.) to confluence with an unnamed tributary (N 1/2, SW 1/4, S20, T87N, R36W, Sac Co.) A			X					
<u>Buck Run</u>									
42.	Mouth (SE 1/4, S11, T89N, R36W, Sac Co.) to confluence with an unnamed tributary (E 1/4, S9, T89N, R36W, Sac Co.) A			X					

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		Water Uses						
		A	B(W)	B(LR)	B(LV)	B(CV)	C	HQ
UPPER DES MOINES RIVER SUBBASIN								
<u>Beaver Cr.</u>								
43.	Mouth (S17, T79N, R24W, Polk Co.) to confluence with an unnamed tributary (S29, T84N, R26W, Boone Co.) C			X				
<u>Little Beaver Cr.</u>								
44.	Mouth (S35, T80N, R25W, Polk Co.) to confluence with an unnamed tributary (SW 1/4, SW 1/4, S29, T80N, R25W, Polk Co.) A			X				
<u>Middle Beaver Cr.</u>								
45.	Mouth (S21, T83N, R26W, Boone Co.) to Hwy 30 (North line, S4, T83N, R26W, Boone Co.) A			X				
<u>Little Beaver Cr.</u>								
46.	Mouth (S14, T81N, R27W, Dallas Co.) to confluence with an unnamed tributary (SE 1/4, SE 1/4, S29, T82N, R27W, Boone Co.) A			X				
<u>Slough Cr.</u>								
47.	Mouth (S16, T81N, R27W, Dallas Co.) to confluence with an unnamed tributary (NW 1/4, S21, T81N, R27W, Dallas Co.) A			X				
<u>Big Cr.</u>								
48.	Upper end of Big Creek Lake (Polk Co.) to confluence with an unnamed tributary (SE 1/4, S33, T83N, R25W, Boone Co.) A			X				
<u>Wolf Cr.</u>								
49.	Mouth (S36, T81N, R25W, Polk Co.) to North line, S25, T81N, R25W, Polk Co. A			X				
<u>Bear Cr.</u>								
50.	Mouth (S29, T83N, R26W, Boone Co.) to confluence with an unnamed tributary (SE 1/4, S24, T83N, R27W, Boone Co.) A			X				
<u>Bluff Cr.</u>								
51.	Mouth (S22, T84N, R27W, Boone Co.) to dam/spillway at Don Williams Lake (NE 1/4, SW 1/4, S5, T84N, R27W, Boone Co.) D			X				
<u>Skillet Cr.</u>								
52.	Mouth (S16, T86N, R27W, Webster Co.) to confluence with an unnamed tributary (NW 1/4, SE 1/4, S14, T86N, R26W, Webster Co.) C			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
								HQR
<u>Prairie Cr.</u>								
53.	Mouth (S35, T88N, R28W, Webster Co.) to confluence with a D.D. No. 29 (S25, T88N, R29W, Webster Co.) C			X				
<u>Pilot Cr.</u>								
54.	Mouth (S1, T92N, R31W, Pocahontas Co.) to confluence with an unnamed tributary (SW 1/4, S16, T93N, R32W, Pocahontas Co.) B			X				
<u>Beaver Cr.</u>								
55.	Mouth (S36, T93N, R31W, Pocahontas Co.) to confluence with an unnamed tributary (S12, T93N, R32W, Pocahontas Co.) B			X				
<u>Prairie Cr. (aka Ditch No. 61)</u>								
56.	Mouth (S1, T93N, R31W, Pocahontas Co.) to confluence with an unnamed tributary (S13, T94N, R31W, Palo Alto Co.) A			X				
<u>Cylinder Cr.</u>								
57.	Mouth (NW 1/4, S28, T94N, R31W, Palo Alto Co.) to confluence with D.D. No. 15 (NW 1/4, S18, T96N, R31W, Palo Alto Co.) C			X				
<u>Silver Cr.</u>								
58.	Mouth (S35, T96N, R33W, Palo Alto Co.) to confluence with D.D. No. 62 (S23, T95N, R34W, Palo Alto Co.) A			X				
<u>Jack Cr.</u>								
59.	Mouth (S35, T97N, R33W, Palo Alto Co.) to Swan Lake outlet structure (S29, T99N, R32W, Emmet Co.) D			X				
BOONE RIVER BASIN								
<u>White Fox Cr.</u>								
60.	Mouth (S33, T89N, R25W, Hamilton Co.) to confluence with an unnamed tributary (E 1/2, SE 1/4, S36, T91N, R25W, Wright Co.) B			X				
<u>Buck Cr.</u>								
61.	Mouth (S28, T89N, R25W, Hamilton Co.) to confluence with drainage ditch No. 144 (S11, T88N, R25W, Hamilton Co.) D			X				
<u>Eagle Cr.</u>								
62.	Mouth (S6, T89N, R25W, Hamilton Co.) to confluence with Little Eagle Cr. (S9, T91N, R25W, Wright Co.) C			X				

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		Water Uses									
		A	B(W)	B(LR)	B(LV)	B(CV)	C	HQ	HQR		
<u>Prairie Cr.</u>											
63.	Mouth (S30, T93N, R26W, Wright Co.) to confluence with D.D. No. 116 (S24, T94N, R28W, Kossuth Co.)			X					D		
EAST FORK DES MOINES RIVER SUBBASIN											
<u>East Fork Des Moines R.</u>											
64.	Confluence with Buffalo Cr. (S20, T97N, R28W, Kossuth Co.) to outlet control structure Tuttle Lake (aka Okamanpeedan Lake) (S14, T100N, R32W, Emmet Co.)		X						D		
<u>Lotts Cr.</u>											
65.	Mouth (S17, T93W, R28W, Humboldt Co.) to confluence with D.D. No. 79 (SE 1/4, S15, T94N, R30W, Kossuth Co.)			X					D		
<u>Black Cat Cr.</u>											
66.	Mouth (S24, T96N, R29W, Kossuth Co.) to North line, S5, T97N, R30W, Kossuth Co.			X					B		
<u>Plum Cr.</u>											
67.	Mouth (S17, T96N, R28W, Kossuth Co.) to confluence with an unnamed tributary S16, T96N, R27W, Kossuth Co.)			X					C		
<u>Lindsey Cr.</u>											
68.	Mouth (S28, T96N, R28W, Kossuth Co.) to confluence with an unnamed tributary (aka D.D. No. 36 (S30, T97N, R27W, Kossuth Co.)			X					C		
<u>Buffalo Cr.</u>											
69.	Mouth (S20, T97N, R28W, Kossuth Co.) to confluence with D.D. No. 48 (S33, T98N, R26W, Winnebago Co.)			X					C		
<u>Union Slough</u>											
70.	Mouth (S9, T97N, R28W, Kossuth Co.) to outlet control structure (aka Des Moines R./Blue Earth R. basin divide (N 1/2, S14, T98N, R28W, Kossuth Co.)				X				D		
<u>North Buffalo Cr. (aka Little Buffalo Cr.)</u>											
71.	Mouth (S4, T97N, R27W, Kossuth Co.) to confluence with an unnamed tributary (S5, T98N, R26W, Winnebago Co.)			X					C		
<u>Mud Cr.</u>											
72.	Mouth (S1, T97N, R29W, Kossuth Co.) to confluence with an unnamed tributary (North line S3/4, T98N, R29W, Kossuth Co.)			X					C		

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		Water Uses						
	A	B(WW)	B(LR)	B(LV)	B(CW)	C	HQ	HQR
<u>Soldier Cr.</u>								
73. Mouth (S36, T100N, R32W, Emmet Co.) to confluence with D.D. No. 4 (S27, T100N, R32W, Emmet Co.)	A		X					
BLUE EARTH RIVER BASIN								
<u>Blue Earth R. (aka Middle Branch Blue Earth River)</u>								
74. Iowa-Minnesota state line (S12, T100, R28W, Kossuth Co.) to confluence with an unnamed tributary (aka D.D. No. 7) (S9, T99N, R27W, Kossuth Co.)	A		X					
<u>West Fork Blue Earth R.</u>								
75. Iowa-Minnesota state line (S9, T100, R28W, Kossuth Co.) to confluence with an unnamed tributary (S30, T100N, R28W, Kossuth Co.)	B		X					
<u>Union Slough Ditch (aka Union Slough Outlet)</u>								
76. Mouth (S9, T100N, R28W, Kossuth Co.) to outlet control structure (aka Des Moines R./Blue Earth R. basin divide (N 1/2, S14, T98N, R28W, Kossuth Co.)	D		X					

-
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SKUNK RIVER BASIN

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations for the Skunk River Basin. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Big Slough - 5	Old S. Skunk R. Channel - 14	Unnamed Cr. - 1
Clear Cr. - 13	Pitman Cr. - 3	Walnut Cr. - 15
Fish Cr. - 7	Snipe Cr. - 9	W. Branch Sugar Cr. - 4
Indian Cr. - 12	S. Skunk R. - 10, 11	Wolf Cr. - 8
Long Dick Cr. - 17	Squaw Cr. - 16	
Mud Cr. - 6	Sugar Cr. - 2	

		Water Uses							
		A	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ	HQR
<u>Mississippi R. tributary</u>									
<u>Unnamed Cr. (aka Lamalees Cr.)</u>									
1.	Mouth (S1, T65N, R5W, Lee Co.) to confluence with an unnamed tributary (E 1/2, S35, T66N, R5W, Lee Co.)	A		X					
<u>Sugar Cr.</u>									
2.	Mouth (S23, T67N, R5W, Lee Co.) to confluence with an unnamed tributary (S 1/2, S16, T69N, R6W, Lee Co.)	C		X					
<u>Pitman Cr.</u>									
3.	Mouth (S29/30 line, T68N, R5W, Lee Co.) to confluence with an unnamed tributary (S21, T68N, R5W, Lee Co.)	A		X					
<u>West Branch Sugar Cr.</u>									
4.	Mouth (S11/14 line, T68N, R6W, Lee Co.) to confluence with an unnamed tributary (S3, T68N, R6W, Lee Co.)	A		X					
<u>Big Slough</u>									
5.	Mouth (S24, T68N, R3W, Lee Co.) to confluence with an unnamed tributary (S18, T68N, R2W Lee Co.)	A	X						
<u>Skunk R. tributaries</u>									
<u>Mud Cr.</u>									
6.	Mouth (S34, T70N, R5W, Henry Co.) to confluence with an unnamed tributary (S12, T70N, R5W, Henry Co.)	C		X					
<u>Fish Cr.</u>									
7.	Mouth (S23, T70N, R6W, Henry Co.) to confluence with an unnamed tributary (S16, T70N, R6W, Henry Co.)	A		X					

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		Water Uses						
		A	B(W)	B(LR)	B(LM)	B(CM)	C	HQ
<u>Wolf Cr.</u>								
8.	Mouth (S8, T71N, R7W, Henry Co.) to confluence with an unnamed tributary (S1, T71N, R8W, Jefferson Co.) A			X				
<u>North Skunk R. tributary</u>								
<u>Snipe Cr.</u>								
9.	Mouth (S22, T81N, R19W, Jasper Co.) to confluence with Little Snipe Cr. (S14, T81N, R19W, Jasper Co.) A			X				
<u>South Skunk R.</u>								
10.	Ames Waterworks Dam (S36, T84N, R24W, Story Co.) to North line S6, T85N, R23W, Story Co. D	X						
11.	North line S6, T85N, R23W, Story Co. to confluence with D.D. No. 71 (S11, T86N, R24W, Hamilton Co.) B			X				
<u>Indian Cr.</u>								
12.	Mouth (S32, T80N, R20W, Jasper Co.) to confluence with East and West Branch Indian Crs. (S16, T82N, R22W, Story Co.) D			X				
<u>Clear Cr.</u>								
13.	Mouth (S2, T80N, R21W, Jasper Co.) to confluence with an unnamed tributary (S 1/2, SW 1/4, S28, T82N, R20W, Marshall Co.) A			X				
<u>Old South Skunk River Channel</u>								
14.	East line S31, T81N, R22W, Polk Co. to South line S33/34, T81N, R22W, Polk Co. A				X			
<u>Walnut Cr.</u>								
15.	Mouth (S5, T82N, R23W, Story Co.) to confluence with an unnamed tributary (SE 1/4, S34, T83N, R24W, Story Co.) A			X				
<u>Squaw Cr.</u>								
16.	Mouth (S12, T83N, R24W, Story Co.) to confluence with an unnamed tributary (NW 1/4, S9, T85N, R25W, Boone Co.) B			X				
<u>Long Dick Cr.</u>								
17.	Mouth (S18, T85N, R23W, Story Co.) to bridge crossing (North line S34, T86N, R23W, Hamilton Co.) A			X				

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IOWA-CEDAR RIVER BASIN

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations for the Iowa-Cedar River Basin. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Asher Cr. - 21	Honey Cr. - 23	Salt Cr. - 14
Baskins Run - 73	Knapp Cr. - 10	School Cr. - 31
Bear Cr. - 25	Luicks Cr. - 37	Sheldon Cr. - 33
Beaver Cr. - 27	Maynes Cr. - 57	South Beaver Cr. - 56
Beaver Cr. - 54, 55	Hill Race - 13	South Fork Iowa River - 26
Beaver Cr. - 63	Miller Cr. - 50	Spring Cr. - 45
Beaver Cr. - 69	Minerva Cr. - 22	Spring Cr. - 66
Buffalo Cr. - 60	Morgan Cr. - 43	Stein Cr. - 16
Burnett Cr. - 20	Mud Cr. - 49	Tipton Cr. - 28
Calmus Cr. - 65	North Fork Blackhawk Cr. - 52	Twelvemile Cr. - 47
Clear Cr. - 42	Otter Cr. - 59	Unnamed Cr. - 34
Coldwater Cr. - 62	Otter Cr. - 76	Unnamed Cr. - 36
Cottonwood Drain - 1, 2	Pine Cr. - 29, 30	Unnamed Cr. - 4
Deer Cr. - 18	Price Cr. - 11, 12	Unnamed Cr. - 5
Deer Cr. - 75	Quarter Section Run - 72	Unnamed Cr. - 58
Dowd Cr. - 24	Rapid Cr. - 8	Unnamed Cr. - 6
Drainage Ditch No. 3 - 35	Raven Cr. - 19	Unnamed Cr. - 7
Dry Cr. - 44	Richland Cr. - 17	Walnut Cr. - 13a
Dry Run - 53	Rock Cr. - 48	West Branch Wapsinonoc Cr. - 40
East Fork Iowa River - 38	Rock Cr. - 74	West Fork Iowa River - 39
East Br. Salt Cr. - 15	Rock Falls Cr. - 70	Wharam Cr. - 67
Elk Run - 32	Rock Run Cr. - 41	Willow Cr. - 64
Elk Run - 51	Rose Cr. - 71	Winans Cr. - 68
Flood Cr. - 61	Running Slough Drain - 3	Wolf Cr. - 46

IOWA-CEDAR RIVER BASIN

Mississippi R. tributary

Cottonwood Drain

1. Mouth (S6, T70N, R1W, Des Moines Co.) to confluence with an unnamed tributary (S13, T71N, R2W, Des Moines Co.) A
2. Confluence with an unnamed tributary (S13, T71N, R2W, Des Moines Co.) to road crossing (S30, T2N, R1W, Des Moines Co.) A

Running Slough Drain

3. Mouth (S31, T71N, R1W, Des Moines Co.) to confluence with an unnamed tributary (S33, T72N, R1W, Des Moines Co.) A

Unnamed Cr.

4. Mouth (SW 1/4, S16, T71N, R1W, Des Moines Co.) to road crossing (E 1/2, NW 1/4, S10, T71N, R1W, Des Moines Co.) A

A	Water Uses						
	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ	HQR
	X						
		X					
	X						
		X					

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		Water Uses							
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ	HQR
	<u>Unnamed Cr.</u>								
5.	Mouth (NE 1/4, S16, T71N, R1W, Des Moines Co.) to road crossing (W 1/2, NW 1/4, S10, T71N, R1W, Des Moines Co.) A			X					
	<u>Unnamed Cr.</u>								
6.	Mouth (S13, T71N, R2W, Des Moines Co.) to Section 7/8 line, T71N, R1W, Des Moines Co.) A			X					
	<u>Unnamed Cr.</u>								
7.	Mouth (NE 1/4, NW 1/4, S7, T71N, R1W, Des Moines Co.) to road crossing (N line S5, T71N, R1W, Des Moines Co.) A			X					
IOWA RIVER SUBBASIN									
	<u>Iowa R. Tributaries</u>								
	<u>Rapid Cr.</u>								
8.	Mouth (S34, T80N, R6W, Johnson Co.) to confluence with an unnamed tributary (E 1/2, S20, T80N, R5W, Johnson Co.) A			X					
	<u>Hoosier Cr.</u>								
9.	Mouth (S17, T81N, R6W, Johnson Co.) to confluence with South Hoosier Cr. (S25, T82N, R7W, Linn Co.) C			X					
	<u>Knapp Cr.</u>								
10.	Mouth (S34, T81N, R8W, Johnson Co.) to confluence with an unnamed tributary (S16, T81N, R8W, Johnson Co.) A			X					
	<u>Price Cr.</u>								
11.	Mouth (S36, T81N, R9W, Iowa Co.) to mouth of Mill Race (S26, T81N, R9W, Iowa Co.) A		X						
12.	Mouth of Mill Race (S26, T81N, R9W, Iowa Co.) confluence with an unnamed tributary (NW 1/4, S8, T81N, R9W, Iowa Co.) A			X					
	<u>Mill Race</u>								
13.	Upstream beginning (S27, T81N, R10W, Iowa Co.) to end (S26, T81N, R9W, Iowa Co.) A		X						
	<u>Walnut Cr.</u>								
13a.	Mouth (S31, T82N, R12W, Benton Co.) to confluence with an unnamed tributary (NW 1/4, S24, T81N, R15W, Poweshiek Co.) A			X					

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		Water Uses						
		A	B(W)	B(LR)	B(LV)	B(CU)	C	HQ
	<u>Salt Cr.</u>							
14.	Mouth of E. Salt Cr. (S34, T84N, R13W, Tama Co.) to confluence with an unnamed tributary (S28, T85N, R14W, Tama Co.) C			X				
	<u>East Branch Salt Cr.</u>							
15.	Mouth (S34, T84N, R13W, Tama Co.) to confluence with Stein Cr. (S26, T84N, R13W, Tama Co.) A			X				
	<u>Stein Cr.</u>							
16.	Mouth (S26, T84N, R13W, Tama Co.) to confluence with an unnamed tributary (NE 1/4, S17, T84N, R12W, Tama Co.) A			X				
	<u>Richland Cr.</u>							
17.	Mouth (S13, T82N, R14W, Tama Co.) to confluence with Abes Fork (Center, S20, T82N, R15W, Tama Co.) A			X				
	<u>Deer Cr.</u>							
18.	Mouth (S34, T83N, R15W, Tama Co.) to confluence with an unnamed tributary (NE 1/4, SE 1/4, S23, T84N, R16W, Tama Co.) D			X				
	<u>Raven Cr.</u>							
19.	Mouth (S25, T83N, R16W, Tama Co.) to West line S35, T83N, R16W, Tama Co. A			X				
	<u>Burnett Cr.</u>							
20.	Mouth (S24, T84N, R16W, Marshall Co.) to confluence with an unnamed tributary (SE 1/4, NW 1/4, S13, T84N, R16W, Marshall Co.) A			X				
	<u>Asher Cr.</u>							
21.	Mouth (S27, T84N, R16W, Marshall Co.) to confluence with Chicken Cr. (NW 1/4, NE 1/4, S16, T84N, R18W, Marshall Co.) A			X				
	<u>Minerva Cr.</u>							
22.	Mouth (NW 1/4, S2, T84N, R19W, Marshall Co.) to confluence with an unnamed tributary (S33, T86N, R21W, Hardin Co.) B			X				
	<u>Honey Cr.</u>							
23.	Confluence with an unnamed tributary (S15, T86N, R20W, Hardin Co.) to confluence with D.D. No. 55 (S32, T87N, R21W, Hardin Co.) D			X				
	<u>Dowd Cr.</u>							
24.	Mouth (S2, T85N, R19W, Marshall Co.) to confluence with an unnamed tributary (S1, T85N, R19W, Marshall Co.) A			X				

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		Water Uses						
		A	B(WW)	B(LR)	B(LV)	B(CV)	C	HQ
<u>Bear Cr.</u>								
25.	Mouth (S9, T86N, R19W, Hardin Co.) to confluence with an unnamed tributary (E 1/2, S3, T86N, R19W, Hardin Co.) A			X				
<u>South Fork Iowa River</u>								
26.	Confluence with an unnamed tributary (S11, T88N, R22W, Hardin Co.) to confluence with an unnamed tributary (SE 1/4, S35, T90N, R23W, Wright Co.) C			X				
<u>Beaver Cr.</u>								
27.	Mouth (SE 1/4, S25, T87N, R19W, Hardin Co.) to confluence with S. Beaver Cr. (NE 1/4, S28, T88N, R20W, Hardin Co.) D			X				
<u>Tipton Cr.</u>								
28.	Mouth (S21, T87N, R20W, Hardin Co.) to confluence with New York Branch (S28, T88N, R22W, Hardin Co.) C			X				
<u>Pine Cr.</u>								
29.	Mouth (S8, T87N, R19W, Hardin Co.) to dam of Lower Pine Lake (S9, T87N, R19W, Hardin Co.) D		X					
30.	Upper extent of Lower Pine Lake to dam of Upper Pine Lake (S4, T87N, R19W, Hardin Co.) D		X					
<u>School Cr.</u>								
31.	Mouth (S21, T89N, R20W, Hardin Co.) to confluence with an unnamed tributary (S16, T89N, R20W, Hardin Co.) A			X				
<u>Elk Run</u>								
32.	Mouth (S13, T89N, R21W, Hardin Co.) to confluence with an unnamed tributary (S2, T89N, R21W, Hardin Co.) A			X				
<u>Sheldon Cr.</u>								
33.	Mouth (S19, T90N, R22W, Franklin Co.) to N/S road crossing bisecting N 1/2, S24, T90N, R23W, Wright Co.) A			X				
<u>Unnamed Cr.</u>								
34.	Mouth (SE 1/4, S30, T91N, R22W, Franklin Co.) to confluence with an unnamed tributary (aka D.D. No.32) (NW 1/4, S29, T91N, R22W, Franklin Co.) A			X				
<u>Drainage Ditch No. 3 (aka Wheeler Cr.)</u>								
35.	Mouth (NW 1/4, SE 1/4, S10, T91N, R23W, Wright Co.) to confluence with D.D. No. 5 (W line, S20, T91, R23, Wright Co.) D			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
	<u>Unnamed Cr.</u> (aka Joint D.D. No.'s 7, 146)							
36.	Mouth (N line, S4, T91N, R23W, Wright Co.) to confluence with an unnamed tributary (aka Joint D.D. No.'s 4, 118) (SE 1/4, S28, T92N, R23W, Wright Co.) D			X				
	<u>Luicks Cr.</u>							
37.	Mouth (S31, T93N, R23W, Wright Co.) to confluence with an unnamed tributary (aka Joint D.D. No.'s 3, 111) (NW 1/4, S3, T92N, R23W, Wright Co.) D			X				
	<u>East Fork Iowa River</u> (aka East Branch Iowa R.)							
38.	Mouth (S19, T93N, R23W, Wright Co.) to confluence with Galls Cr. (Hancock Co.) C			X				
	<u>West Fork Iowa River</u> (aka West Branch Iowa R.)							
39.	Mouth (S19, T93N, R23W, Wright Co.) to confluence with D.D. No. 1 (S2, T95N, R25W, Hancock Co.) C			X				
CEDAR RIVER SUBBASIN								
	<u>Cedar R. tributary</u>							
	<u>West Branch Vapsinonoc Cr.</u>							
40.	Confluence with an unnamed tributary (S4, T78N, R4W, Muscatine Co.) to confluence with an unnamed tributary (N 1/2, S32, T79N, R4W, Cedar Co.) A			X				
	<u>Rock Run Cr.</u>							
41.	Mouth (S28, T80N, R3W, Cedar Co.) to confluence with an unnamed tributary (S28, T81N, R3W, Cedar Co.) D			X				
	<u>Clear Cr.</u>							
42.	Mouth (S2, T81N, R5W, Johnson Co.) to confluence with an unnamed tributary (NW 1/4, NW 1/4, S28, T82N, R4W, Cedar Co.) A			X				
	<u>Morgan Cr.</u>							
43.	Mouth (S14, T83N, R8W, Linn Co.) to confluence with an unnamed tributary (SW 1/4, S22, T83N, R8W, Linn Co.) A			X				
	<u>Dry Cr.</u>							
44.	Mouth (S1, T83N, R7W, Linn Co.) to confluence with an unnamed tributary (S15, T84N, R7W, Linn Co.) A			X				
	<u>Spring Cr.</u>							
45.	Mouth (S27, T87N, R11W, Blackhawk Co.) to confluence with East Branch Spring Cr. (S11, T87N, R11W, Blackhawk Co.) D			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CV)	C	HQ
	<u>Wolf Cr.</u>							
46.	Mouth of Twelvemile Cr. (S19, T86N, R13W, Tama Co.) to confluence with an unnamed tributary (S25, T86N, R18W, Grundy Co.) C			X				
	<u>Twelvemile Cr.</u>							
47.	Mouth (S19, T86N, R13W, Tama Co.) to confluence with Given Cr. (S24, T86N, R15W, Tama Co.) A			X				
	<u>Rock Cr.</u>							
48.	Mouth (S23, T86N, R14W, Tama Co.) to confluence with an unnamed tributary (S2, T86N, R14W, Tama Co.) A			X				
	<u>Mud Cr.</u>							
49.	Mouth (S13, T87N, R12W, Blackhawk Co.) to upper end of ponded area (S14, T87N, R12W, Blackhawk Co.) D			X				
	<u>Hiller Cr.</u>							
50.	Mouth (S35, T88N, R12W, Blackhawk Co.) to confluence with an unnamed tributary (S7, T87N, R12W, Blackhawk Co.) D			X				
	<u>Elk Run</u>							
51.	Mouth (S6, T88N, R12W, Blackhawk Co.) to confluence with an unnamed tributary (S27, T89N, R12W, Blackhawk Co.) D			X				
	<u>Blackhawk Cr. tributary</u>							
	<u>North Fork Blackhawk Cr.</u>							
52.	Mouth (S1, T87N, R15W, Blackhawk Co.) to confluence with an unnamed tributary (S8, T86N, R15W, Grundy Co.) A			X				
	<u>Dry Run</u>							
53.	Mouth (S18, T89N, R13W, Blackhawk Co.) to confluence with an unnamed tributary (S23, T89N, R14W, Blackhawk Co.) D			X				
	<u>Beaver Cr.</u>							
54.	Mouth (S34, T90N, R14W, Blackhawk Co.) to confluence with S. Beaver Cr. (S25, T90N, R17W, Butler Co.) D		X					
55.	Confluence with S. Beaver Cr. (S25, T90N, R17W, Butler Co.) to confluence with an unnamed tributary (SE 1/4, S29, T90N, R19W, Franklin Co.) C			X				

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		Water Uses				C	HQ	HQR
		A	B(WW)	B(LR)	B(LW)	B(CW)		
<u>South Beaver Cr.</u>								
56.	Mouth (S25, T90N, R17W, Butler Co.) to confluence with an unnamed tributary (NE 1/4, NE 1/4, S9, T88N, R18W, Grundy Co.) C			X				
<u>Vest Fork Cedar R. tributaries</u>								
<u>Haynes Cr.</u>								
57.	Mouth (S7, T91N, R17W, Butler Co.) to confluence with an unnamed tributary (S22, T91N, R21W, Franklin Co.) C			X				
<u>Unnamed Cr. (aka D.D. No. 6)</u>								
58.	Mouth (S29, T91N, R20W, Franklin Co.) to confluence with an unnamed tributary (S36 T91N, R20W, Franklin Co.) A			X				
<u>Hartgrave Cr. tributaries</u>								
<u>Otter Cr.</u>								
59.	Confluence with Buffalo Cr. (S5, T92N, R20W, Franklin Co.) to confluence with D.D. No. 55 (S24, T93N, R21W, Franklin Co.) A			X				
<u>Buffalo Cr.</u>								
60.	Mouth (S5, T92N, R20W, Franklin Co.) to N/S road crossing, West line, S10, T92N, R21W, Franklin Co. A			X				
<u>Shell Rock R. tributaries</u>								
<u>Flood Cr.</u>								
61.	Mouth (S27, T93N, R16W, Butler Co.) to confluence with Beaver Cr. (S36, T95N, R17W, Floyd Co.) A			X				
<u>Coldwater Cr.</u>								
62.	Mouth (S29, T93N, R16W, Butler Co.) to confluence with an unnamed tributary (S26, T94N, R19W, Cerro Gordo Co.) A			X				
<u>Beaver Cr.</u>								
63.	Mouth (SW 1/4, S26, T95N, R18W, Floyd Co.) to confluence with L. Beaver Cr. (center S21, T95N, R18W, Floyd Co.) A			X				
<u>Winnepago R. tributaries</u>								
<u>Willow Cr.</u>								
64.	Mouth (S3, T96N, R20W, Cerro Gordo Co.) to confluence with Clear Cr. (S16, T96N, R21W, Cerro Gordo Co.) D			X				
<u>Calmus Cr.</u>								
65.	Mouth (S34, T97N, R20W, Cerro Gordo Co.) to Cerro Gordo Co. Rd. S34 (W line, S30, T97N, R20W, Cerro Gordo Co.) D			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
66.	<u>Spring Cr.</u> Mouth (S28, T97N, R20W, Cerro Gordo Co.) to confluence with Blair Cr. (S9, T97N, R20W, Cerro Gordo Co.) D			X				
67.	<u>Wharam Cr.</u> Mouth (S29, T97N, R20W, Cerro Gordo Co.) to confluence with an unnamed tributary (S7, T97N, R20W, Cerro Gordo Co.) D			X				
68.	<u>Winans Cr.</u> Mouth (S36, T98N, R22W, Worth Co.) to N/S road crossing S 1/2, S25, T98N, R22W, Worth Co. A			X				
69.	<u>Beaver Cr.</u> Mouth (S34, T98N, R22W, Worth Co.) to confluence with D.D. No. 54 (S25, T98N, R23W, Winnebago Co.) C			X				
70.	<u>Rock Falls Cr.</u> Mouth (S16, T97N, R19W, Cerro Gordo Co.) to confluence with an unnamed tributary (S4, T97N, R19W, Cerro Gordo Co.) A			X				
71.	<u>Rose Cr.</u> (aka Plymouth or Beaver Cr.) Mouth (NW 1/4, S8, T97N, R19W, Cerro Gordo Co.) to confluence with an unnamed tributary (S35, T98N, R20W, Worth Co.) A			X				
72.	<u>Quarter Section Run</u> Mouth (S19, T91N, R13W, Bremer Co.) to confluence with an unnamed tributary (NE 1/4, NW 1/4, S26, T92N, R13W, Bremer Co.) C			X				
73.	<u>Baskins Run</u> Mouth (S28, T91N, R13W, Bremer Co.) to confluence with an unnamed tributary (S30, T92N, R13W, Bremer Co.) A			X				
74.	<u>Rock Cr.</u> Hwy 9 to confluence with an unnamed tributary (S22, T98N, R18W, Mitchell Co.) A			X				
75.	<u>Deer Cr.</u> Mouth (S23, T99N, R18W, Mitchell Co.) to confluence with an unnamed tributary (E line, S28, T100N, R19W, Worth Co.) D			X				
76.	<u>Otter Cr.</u> Mouth (S21, T100N, R18W, Mitchell Co.) to Iowa-Minnesota State Line D			X				

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Iowa Water Quality Standards Water Use Designations

NORTHEASTERN IOWA RIVER BASINS

Northeastern Iowa River Basins (Wapsipinicon River, Maquoketa River, North Fork Maquoketa River, Turkey River, Volga River, Yellow River, and Upper Iowa River Subbasins).

The streams or stream segments named below in alphabetical order are referenced within the Water Use Designations for Northeastern Iowa River Basins. Reference numbers provided in the alphabetical list correspond to numbered stream segments in the Water Use Designations.

Canoe Cr. - 29	North Branch Turkey River - 20	Unnamed Cr. - 5
Dibble Cr. - 15	North Fork Yellow River - 27	Unnamed Cr. - 22
Dry Branch - 18	Nutting Cr. - 17	Unnamed Cr. - 26
Dry Run - 7	Paint Cr. - 28	Volga River - 13
East Branch Otter Cr. - 10	Pine Cr. - 6	Walton Cr. - 3
Fitzgerald Cr. - 16	Plum Cr. - 11	Watsons Cr. - 12
Harter Cr. - 8	Sand Cr. - 4	West Branch Turkey River - 21
Heatons Cr. - 2	Silver Cr. - 1	Williams Cr. - 25
Hickory Cr. - 24	Trout Cr. - 30	Wonder Cr. - 19
Hunter Cr. - 9	Trout Cr. - 31	Yellow River - 23
Little Volga River - 14		

Iowa Water Quality Standards Water Use Designations

	Water Uses						
	A	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ
NORTHEASTERN IOWA RIVER BASINS							
WAPSIPINICON RIVER SUBBASIN							
(Wapsipinicon R. tributaries)							
(Buffalo Cr. tributary)							
<u>Silver Cr.</u>							
1. Mouth (NE 1/4, S13, T87N, R7W, Buchanan Co.) to confluence with an unnamed tributary (NW 1/4, S5, T87N, R6W, Delaware Co.) A			X				
<u>Heatons Cr.</u>							
2. Mouth (S12, T85N, R6W, Linn Co.) to confluence with an unnamed tributary (S1, T85N, R6W, Linn Co.) A			X				
<u>Walton Cr.</u>							
3. Mouth (S20, T86N, R6W, Linn Co.) to confluence with an unnamed tributary (S 1/2, S1, T86N, R7W, Linn Co.) A			X				
<u>Sand Cr.</u>							
4. Mouth (S14, T87N, R8W, Buchanan Co.) to confluence with an unnamed tributary (W 1/2, S15, T87N, R8W, Buchanan Co.) A			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
	<u>Unnamed Cr.</u>							
5.	Mouth (SE 1/4, S28, T88N, R8W, Buchanan Co.) to confluence with an unnamed tributary (SE 1/4, NW 1/4, S22, T88N, R8W, Buchanan Co.) A			X				
	<u>Pine Cr.</u>							
6.	Mouth (S28, T88N, R8W, Buchanan Co.) to confluence with an unnamed tributary (NE 1/4, S20, T89N, R8W, Buchanan Co.) D			X				
	<u>Dry Run</u>							
7.	Mouth (S21, T88N, R8W, Buchanan Co.) to confluence with an unnamed tributary (W 1/2, S15, T88N, R8W, Buchanan Co.) A			X				
	<u>Harter Cr.</u>							
8.	Mouth (S27, T89N, R9W, Buchanan Co.) to confluence with an unnamed tributary (W 1/2, S23, T89N, R9W, Buchanan Co.) A			X				
	<u>Otter Cr. tributaries (Buchanan Co.)</u>							
	<u>Hunter Cr.</u>							
9.	Mouth (S6, T89N, R9W, Buchanan Co.) to confluence with an unnamed tributary (Center, S20, T90N, R9W, Buchanan Co.) A			X				
	<u>East Branch Otter Cr.</u>							
10.	Mouth (S22, T90N, R9W, Buchanan Co.) to confluence with an unnamed tributary (NE 1/4, S14, T90N, R9W, Buchanan Co.) A			X				
	<u>East Fork Wapsipinicon R. tributary (Chickasaw Co.)</u>							
	<u>Plum Cr.</u>							
11.	Mouth (S15, T95N, R12W, Chickasaw Co.) to confluence with an unnamed tributary (S3, T95N, R12W, Chickasaw Co.) A			X				
	<u>Watsons Cr.</u>							
12.	Mouth (S25, T99N, R15W, Mitchell Co.) to confluence with an unnamed tributary (S30, T99N, R14W, Howard Co.) A			X				
	<u>TURKEY RIVER SUBBASIN</u>							
	(Turkey River tributaries)							
	<u>Volga River.</u>							
13.	Confluence with L. Volga R. (S2, T92N, R9W, Fayette Co.) to confluence with an unnamed tributary (S24, T93N, R10W, Fayette Co.) C			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LW)	B(CW)	C	HQ
14.	<u>Little Volga River.</u> Hwy 150 bridge (S14/23 line, T92N, R9W, Fayette Co.) to confluence with an unnamed tributary NE 1/4, S36, T92N, R9W, Fayette Co.) D			X				
15.	<u>Dibble Cr.</u> Mouth (S34, T95N, R7W, Fayette Co.) to confluence with an unnamed tributary (S27, T95N, R7W, Fayette Co.) A			X				
16.	<u>Fitzgerald Cr.</u> Mouth (S28, T95N, R7W, Fayette Co.) to confluence with an unnamed tributary (S9, T95N, R7W, Fayette Co.) A			X				
17.	<u>Nutting Cr.</u> Mouth (S19, T95N, R7W, Fayette Co.) to confluence with an unnamed tributary (S2, T95N, R8W, Fayette Co.) A			X				
18.	<u>Dry Branch</u> Mouth (S15, T95N, R8W, Fayette Co.) to confluence with an unnamed tributary (N 1/2, S4, T95N, R8W, Fayette Co.) A			X				
19.	<u>Wonder Cr.</u> Mouth (S19, T97N, R9W, Winneshiek Co.) to confluence with an unnamed tributary (S24, T97N, R10W, Winneshiek Co.) A			X				
20.	<u>North Branch Turkey River</u> Mouth (S31, T99N, R11W, Howard Co.) to confluence with an unnamed tributary (mouth located on left descending bank SE 1/4, S14, T99N, R12W, Howard Co.) A			X				
21.	<u>West Branch Turkey River</u> Mouth (S25, T99N, R12W, Howard Co.) to confluence with an unnamed tributary (E 1/2, NW 1/4, S26, T99N, R12W, Howard Co.) A			X				
22.	<u>Unnamed Cr.</u> Mouth (located on left descending bank SE 1/4, S14, T99N, R12W, Howard Co.) to confluence with an unnamed tributary (SW 1/4, S12, T99N, R12W, Howard Co.) A			X				

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		Water Uses						
		A	B(W)	B(LR)	B(LV)	B(CV)	C	HQ
YELLOW RIVER SUBBASIN								
<u>Yellow River</u>								
23.	Confluence with N. Fork Yellow R. to confluence with an unnamed tributary (SE 1/4, S8 T96N, R7W, Winneshiek Co.)			X				
	A							
<u>Hickory Cr.</u>								
24.	South line of S28, T96N, R5W, Allamakee Co. to confluence with an unnamed tributary (S5, T95N, R5W, Clayton Co.)			X				
	A							
<u>Williams Cr.</u>								
25.	Mouth (S9, T96N, R5W, Allamakee Co.) to confluence with an unnamed tributary (S17, T96N, R5W, Allamakee Co.)			X				
	A							
<u>Unnamed Cr.</u>								
26.	Mouth (S2, T96N, R6W, Allamakee Co.) to confluence with an unnamed tributary (S33, T97N, R6W, Allamakee Co.)			X				
	A							
<u>North Fork Yellow River</u>								
27.	Mouth (S13, T96N, R7W, Winneshiek Co.) to confluence with an unnamed tributary (S3, T96N, R7W, Winneshiek Co.)			X				
	A							
(Mississippi R. Tributary)								
<u>Paint Cr.</u>								
28.	Road Crossing (S18, T97N, R4W, Allamakee Co.) to confluence with an unnamed tributary (S15, T97N, R5W, Allamakee Co.)			X				
	A							
UPPER IOWA RIVER SUBBASIN								
<u>Cance Cr.</u>								
29.	West line S8, T99N, R8W, Winneshiek Co. to confluence with an unnamed tributary (E 1/2, S31, T100N, R8W, Winneshiek Co.)			X				
	A							
(Trout River tributary)								
<u>Trout Cr.</u>								
30.	Confluence with Smith Cr. (aka Trout River) (S21, T98N, R7W, Winneshiek Co. to confluence with an unnamed tributary (S 1/2, S29, T98N, R7W, Winneshiek Co.)			X				
	A							
<u>Trout Cr.</u>								
31.	Confluence with an unnamed tributary (aka Trout Run) (S27, T98N, R8W, Winneshiek Co.) to confluence with an unnamed tributary (S33, T98, R8W Winneshiek Co.)			X				
	A							

- A - Stream was previously undesignated (general) along entire stream length.
 B - Stream was previously undesignated (general) along a major portion of the stream, only a minor portion was Class B(warm).
 C - Stream was previously designated Class B(warm) along a major portion of the stream, only a minor portion was undesignated (general).

Mr. Stokes reviewed the proposed rules. He distributed a revised copy of the listing of proposed stream use designations and explained minor corrections to the list. He also distributed copies of a list of wastewater treatment facilities that may be impacted by the stream use designations.

Motion was made by Clark Yeager to approve Notice of Intended Action--Chapter 61, Stream Use Designations - Phase V. Seconded by Charlotte Mohr. Motion carried unanimously.

APPROVED AS PRESENTED

REFERRALS TO THE ATTORNEY GENERAL

Mike Murphy, Bureau Chief, Compliance and Enforcement Bureau, presented the following item.

The Director requests the referral of the following to the Attorney General for appropriate legal action. Litigation reports have been provided to the Commissioners and are confidential pursuant to Iowa Code section 22.7(4). The parties have been informed of this action and may appear to discuss this matter. If the Commission needs to discuss strategy with counsel on any matter where the disclosure of matters discussed would be likely to prejudice or disadvantage its position in litigation, the Commission may go into closed session pursuant to Iowa Code section 21.5(1)(c).

- a. Giese Construction Company, Inc. (Ft. Dodge) - Contaminated Site
- b. Delano's Lounge/Delane and Deloris Craig (Washington) - Drinking Water
- c. Reed's Interstate Sales (New Virginia) - Penalty Collection

Giese Construction Company, Inc.

Mr. Murphy stated that this case involves a number of enforcement matters over the years due to improper solid waste disposal and open burning violations. A previous Administrative Order and penalty was issued. The action now involves contamination of the site by petroleum products, which was not included in the prior referral to the Attorney General. Mr. Murphy noted that a site assessment report was due in December and has not been received. He related that because of the past record of violations staff feel this case warrants referral.

Motion was made by Nancylee Siebenmann for referral to the Attorney General's Office. Seconded by Rozanne King. Motion carried unanimously.

REFERRED

Delano's Lounge/Delane and Deloris Craig

Mr. Murphy stated that this case involves bad bacterial samples as well as monitoring deficiencies. An Administrative Order was issued directing them to submit plans, install a disinfection system, perform required monitoring, and pay a \$500 penalty. He related that they have not submitted plans or installed the disinfection system. They informed the department that they are going to hook up to the city system but cannot do it until next spring. Staff feel it should be referred to keep the pressure on to get the problem corrected.

Discussion followed regarding shock system chlorination as an alternative.

Chairperson Hartsuck asked how many small public water supplies there are in Iowa.

Mr. Stokes stated that staff has that information listed on inventory and could provide it to the Commission at their next meeting.

Motion was made by Nancylee Siebenmann for referral to the Attorney General's Office. Seconded by Rozanne King. Motion carried unanimously.

REFERRED

Reed's Interstate Sales

Mr. Murphy stated that this matter involves failure to take routine bacterial samples and failure to pay a fine.

Motion was made by Charlotte Mohr for referral to the Attorney General's Office. Seconded by Rozanne King. Motion carried unanimously

REFERRED

GENERAL DISCUSSION

1) Director Wilson stated that Teresa Hay will now provide the information regarding the cost per pound on the Toxic Cleanup Days Report.

Ms. Hay explained that the pound figures shown in the report are the actual pounds/weight of the waste that was collected. The per pound cost shown is a figure that is provided by the contractor and includes the packaging materials, such as drums, filler materials, etc. By including those items in the weight it lowers the per unit cost figure.

2) Charlotte Mohr displayed a newspaper clipping regarding the Ed Cain case, which indicated that 350 acres of surrounding land was flooded as a result of the repairs made to Deep Creek. She commented that she feels it is pretty sad and there really wasn't a lot of rain this fall.

Director Wilson stated that the department will do an analysis on the newspaper clipping and report back to the Commission next month. He related that he will hold off a final opinion until he has the rest of the story.

ADDRESS ITEMS FOR NEXT MEETING


E-Team budget/costs
Public water supplies tally
Briefing on Ed Cain channel change
Conflict of Interest rules

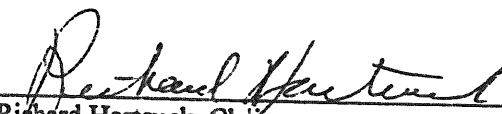
NEXT MEETING DATES

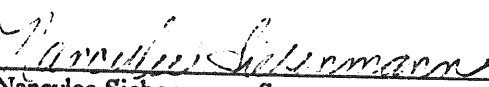
February 15, 1993
March 15, 1993
April 19, 1993

ADJOURNMENT

With no further business to come before the Environmental Protection Commission, Chairperson Hartsuck adjourned the meeting at 2:50 p.m., Tuesday, January 19, 1993.


Larry J. Wilson, Director


Richard Hartsuck, Chairperson


Nancylee Siebenmann, Secretary

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File Name *ADM-1-1-1 EPC Meeting*
Senders Initials *JH January 1993*

MEETING AGENDA
ENVIRONMENTAL PROTECTION COMMISSION
WALLACE STATE OFFICE BUILDING
DES MOINES, IOWA
January 19-20, 1993

Meeting convenes at 10:00 a.m., Tuesday, January 19, 1993, in the fourth floor conference room.

Public Participation (January 19) 10:30 a.m.

APPOINTMENTS:

Bill Leach, Midwest Power (January 19) 11:00 a.m.

Legislative Reception (January 20) 4th fl., Wallace Bldg. 7:30 a.m.

1. Approve Agenda.
2. Approve Minutes of December 21, 1992.
3. Director's Report. (Wilson) Information.
4. Landfill Alternatives Grant Applications. (Hay) Information.
5. Grant Project History. (Hay) Information.
6. 1992 HHM Toxic Cleanup Days Report. (Hay) Information.
7. Financial Status Report. (Kuhn) Information.
8. Monthly Reports. (Stokes) Information.
9. Notice of Intended Action--Chapter 61, Stream Use Designations - Phase V. (Stokes) Decision.
10. Referrals to the Attorney General. (Stokes) Decision.
 - (a) Giese Construction Company, Inc. (Ft. Dodge)
 - (b) Delano's Lounge/Delane and Deloris Craig (Washington)
 - (c) Reed's Interstate Sales (New Virginia)
11. General Discussion.
12. Address Items for Next Meeting.

ENVIRONMENTAL PROTECTION COMMISSION

Tuesday, January 19, 1992

NAME

COMPANY OR AGENCY

CITY

(PLEASE PRINT)

DANNY VEST
Perry Beeman

GROWMARK
Des Moines Register

BLOOMINGTON, IL
D.M.

Rick Kelly

UHL

DM

Robin Courtney
Scott Young

Midwest Power
Stanley Firm

DM

Muscatine

John Eichelberger

Stanley Firm

Muscatine

CHRIS GALLT

Farm Bureau

DSM

Jack Clark

Iowa Utility Assoc.

DSM